GI	none	Score	.58
Exons	185..296, 1992..2026, 2402..2479, 2607..2637, 3690..3805		

Seq. No.	10573	Seq. ID	OJ990520_27.9922.C15
Gene No.	22428	Strand	-
Start	5250	End	7559
Name	OJ990520_27.9922.C15.o2.gs	Method	GENSCAN
Start	5250	End	7559
GI	none	Score	.81
Exons	5250..7559		

Seq. No.	10573	Seq. ID	OJ990520_27.9922.C15
Gene No.	22428	Strand	-
Start	5250	End	7559
Name	OJ990520_27.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	6993	End	7475
GI	none	Score	77
Exons	6993..7157, 7158..7316, 7162..7314, 7356..7475		

Seq. No.	10574	Seq. ID	OJ990520_27.9922.C16
Gene No.	22429	Strand	-
Start	1	End	622
Name	OJ990520_27.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	622
GI	5852180	Score	180
Exons	1..52, 451..622		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10574	Seq. ID	OJ990520_27.9922.C16
Gene No.	22429	Strand	-
Start	1	End	622
Name	OJ990520_27.9922.C16.o1.gs	Method	GENSCAN
Start	136	End	206
GI	none	Score	.59
Exons	136..206		

Seq. No.	10575	Seq. ID	OJ990520_27.9922.C18
Gene No.	22430	Strand	+
Start	439	End	578
Name	OJ990520_27.9922.C18.o1.gs	Method	GENSCAN
Start	439	End	578
GI	none	Score	.49
Exons	439..578		

Seq. No.	10575	Seq. ID	OJ990520_27.9922.C18
Gene No.	22431	Strand	-
Start	1	End	552
Name	OJ990520_27.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	552
GI	6907087	Score	222
Exons	1..90, 130..552		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10576	Seq. ID	OJ990520_27.9922.C19
Gene No.	22432	Strand	+

Start	1	End	849
Name	OJ990520_27.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	849
GI	4544372	Score	396
Exons	1..521, 582..849		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10576	Seq. ID	OJ990520_27.9922.C19
Gene No.	22432	Strand	+
Start	1	End	849
Name	OJ990520_27.9922.C19.o2.tw	Method	TBLASTX:Wheat
Start	2	End	165
GI	none	Score	181
Exons	2..106, 3..125, 3..128, 82..165		

Seq. No.	10576	Seq. ID	OJ990520_27.9922.C19
Gene No.	22432	Strand	+
Start	1	End	849
Name	OJ990520_27.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	48	End	509
GI	none	Score	536
Exons	48..509, 50..106, 197..508		

Seq. No.	10576	Seq. ID	OJ990520_27.9922.C19
Gene No.	22432	Strand	+
Start	1	End	849
Name	OJ990520_27.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	171	End	578
GI	none	Score	211
Exons	171..500, 252..410, 477..578		

Seq. No.	10576	Seq. ID	OJ990520_27.9922.C19
Gene No.	22432	Strand	+
Start	1	End	849
Name	OJ990520_27.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	195	End	662
GI	none	Score	230
Exons	195..476, 230..487, 477..662		

Seq. No.	10577	Seq. ID	OJ990520_27.9922.C20
Gene No.	22433	Strand	-
Start	60	End	1123
Name	OJ990520_27.9922.C20.o1.np	Method	AAT/NAP
Start	60	End	1123
GI	6907087	Score	533
Exons	60..161, 713..1123		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10578	Seq. ID	OJ990520_27.9922.C21
Gene No.	22434	Strand	+
Start	49	End	315
Name	OJ990520_27.9922.C21.o1.gs	Method	GENSCAN
Start	49	End	315
GI	none	Score	.91

Exons	49..145, 218..315		
Seq. No.	10579	Seq. ID	OJ990520_27.9922.C22
Gene No.	22435	Strand	+
Start	1	End	655
Name	OJ990520_27.9922.C22.o1.np	Method	AAT/NAP
Start	1	End	655
GI	4680179	Score	218
Exons	1..193, 607..655		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	10579	Seq. ID	OJ990520_27.9922.C22
Gene No.	22435	Strand	+
Start	1	End	655
Name	OJ990520_27.9922.C22.o1.ts	Method	TBLASTX:Soybean
Start	3	End	199
GI	none	Score	221
Exons	3..191, 8..199		
Seq. No.	10579	Seq. ID	OJ990520_27.9922.C22
Gene No.	22435	Strand	+
Start	1	End	655
Name	OJ990520_27.9922.C22.o1.tw	Method	TBLASTX:Wheat
Start	8	End	191
GI	none	Score	211
Exons	8..190, 9..191		
Seq. No.	10580	Seq. ID	OJ990410_28.9922.C1
Gene No.	22436	Strand	-
Start	1	End	1001
Name	OJ990410_28.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	1001
GI	4512242	Score	632
Exons	1..50, 457..1001		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		
Seq. No.	10580	Seq. ID	OJ990410_28.9922.C1
Gene No.	22436	Strand	-
Start	1	End	1001
Name	OJ990410_28.9922.C1.o1.gs	Method	GENSCAN
Start	434	End	877
GI	none	Score	.74
Exons	434..877		
Seq. No.	10580	Seq. ID	OJ990410_28.9922.C1
Gene No.	22436	Strand	-
Start	1	End	1001
Name	OJ990410_28.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	461	End	862
GI	none	Score	66
Exons	461..862, 494..763, 498..782		
Seq. No.	10580	Seq. ID	OJ990410_28.9922.C1
Gene No.	22436	Strand	-
Start	1	End	1001
Name	OJ990410_28.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	536	End	868

GI	none	Score	246
Exons	536..868, 537..866		

Seq. No.	10580	Seq. ID	OJ990410_28.9922.C1
Gene No.	22436	Strand	-
Start	1	End	1001
Name	OJ990410_28.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	650	End	869
GI	none	Score	117
Exons	650..868, 651..866, 678..869		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22437	Strand	+
Start	448	End	831
Name	OJ990410_28.9922.C2.o1.gp	Method	AAT/GAP
Start	448	End	831
GI	uC-osflcyp033a04b1	Score	661
Exons	448..831		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22438	Strand	+
Start	2107	End	2318
Name	OJ990410_28.9922.C2.o3.gp	Method	AAT/GAP
Start	2107	End	2318
GI	1631463	Score	333
Exons	2107..2318		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22439	Strand	+
Start	2947	End	3819
Name	OJ990410_28.9922.C2.o2.np	Method	AAT/NAP
Start	2947	End	3819
GI	5042448	Score	1264
Exons	2947..3819		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22440	Strand	+
Start	4073	End	8635
Name	OJ990410_28.9922.C2.o3.np	Method	AAT/NAP
Start	4073	End	8635
GI	4680179	Score	7837
Exons	4073..8635		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22441	Strand	-
Start	381	End	1468
Name	OJ990410_28.9922.C2.o1.np	Method	AAT/NAP
Start	381	End	1468
GI	4680186	Score	309

Exons	381..582, 1417..1468		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22442	Strand	
Start	4340	End	4912
Name	OJ990410_28.9922.C2.o7.tw	Method	TBLASTX:Wheat
Start	4340	End	4699
GI	none	Score	303
Exons	4340..4699, 4366..4440, 4465..4698		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22442	Strand	
Start	4340	End	4912
Name	OJ990410_28.9922.C2.o6.tm	Method	TBLASTX:Maize
Start	4580	End	4912
GI	none	Score	213
Exons	4580..4912, 4597..4767		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22443	Strand	
Start	5219	End	5635
Name	OJ990410_28.9922.C2.o8.tw	Method	TBLASTX:Wheat
Start	5219	End	5635
GI	none	Score	151
Exons	5219..5410, 5254..5367, 5453..5635, 5479..5634		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22444	Strand	
Start	5798	End	6667
Name	OJ990410_28.9922.C2.o4.tw	Method	TBLASTX:Wheat
Start	5798	End	6280
GI	none	Score	549
Exons	5798..6280, 5902..6237, 5927..6271		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22444	Strand	
Start	5798	End	6667
Name	OJ990410_28.9922.C2.o5.tm	Method	TBLASTX:Maize
Start	5810	End	6099
GI	none	Score	325
Exons	5810..6097, 5908..6099		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22444	Strand	
Start	5798	End	6667
Name	OJ990410_28.9922.C2.o4.ts	Method	TBLASTX:Soybean
Start	5834	End	6148
GI	none	Score	183
Exons	5834..6148, 5950..6147		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22444	Strand	
Start	5798	End	6667
Name	OJ990410_28.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	6167	End	6667
GI	none	Score	160

Exons	6167..6346, 6332..6667, 6418..6549, 6419..6628		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22444	Strand	
Start	5798	End	6667
Name	OJ990410_28.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	6221	End	6616
GI	none	Score	57
Exons	6221..6253, 6221..6265, 6257..6616, 6257..6337, 6352..6615		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22444	Strand	
Start	5798	End	6667
Name	OJ990410_28.9922.C2.o5.tw	Method	TBLASTX:Wheat
Start	6329	End	6631
GI	none	Score	402
Exons	6329..6631, 6349..6630		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22445	Strand	
Start	6632	End	7141
Name	OJ990410_28.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	6632	End	7141
GI	none	Score	617
Exons	6632..7141, 6664..7140		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22445	Strand	
Start	6632	End	7141
Name	OJ990410_28.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	6638	End	6883
GI	none	Score	203
Exons	6638..6883		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22445	Strand	
Start	6632	End	7141
Name	OJ990410_28.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	6704	End	7069
GI	none	Score	479
Exons	6704..7057, 6706..7053, 6740..7069, 6865..7062		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22446	Strand	
Start	7145	End	8611
Name	OJ990410_28.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	7145	End	7624
GI	none	Score	576
Exons	7145..7624, 7178..7591, 7369..7623		
Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22446	Strand	
Start	7145	End	8611
Name	OJ990410_28.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	7331	End	7648
GI	none	Score	89
Exons	7331..7504, 7505..7648, 7507..7647		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22446	Strand	
Start	7145	End	8611
Name	OJ990410_28.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	7412	End	7672
GI	none	Score	299
Exons	7412..7672, 7417..7671, 7481..7672		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22446	Strand	
Start	7145	End	8611
Name	OJ990410_28.9922.C2.o4.tm	Method	TBLASTX:Maize
Start	7471	End	7762
GI	none	Score	384
Exons	7471..7758, 7472..7762		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22446	Strand	
Start	7145	End	8611
Name	OJ990410_28.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	7631	End	8257
GI	none	Score	715
Exons	7631..8257, 7633..8256		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22446	Strand	
Start	7145	End	8611
Name	OJ990410_28.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	7811	End	8410
GI	none	Score	226
Exons	7811..7972, 7819..7965, 7970..8410, 7972..8397		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22446	Strand	
Start	7145	End	8611
Name	OJ990410_28.9922.C2.o6.tw	Method	TBLASTX:Wheat
Start	8257	End	8590
GI	none	Score	366
Exons	8257..8310, 8258..8590, 8285..8365, 8350..8526, 8408..8569		

Seq. No.	10581	Seq. ID	OJ990410_28.9922.C2
Gene No.	22446	Strand	
Start	7145	End	8611
Name	OJ990410_28.9922.C2.o7.tm	Method	TBLASTX:Maize
Start	8414	End	8611
GI	none	Score	188
Exons	8414..8611		

Seq. No.	10582	Seq. ID	OJ990410_28.9922.C3
Gene No.	22447	Strand	+
Start	13	End	156
Name	OJ990410_28.9922.C3.o1.gs	Method	GENSCAN
Start	13	End	156
GI	none	Score	.89
Exons	13..156		

Seq. No.	10582	Seq. ID	OJ990410_28.9922.C3
Gene No.	22448	Strand	-
Start	436	End	552
Name	OJ990410_28.9922.C3.o2.gs	Method	GENSCAN
Start	436	End	552
GI	none	Score	.49
Exons	436..552		

Seq. No.	10583	Seq. ID	OJ990410_28.9922.C4
Gene No.	22449	Strand	-
Start	22	End	229
Name	OJ990410_28.9922.C4.o1.gs	Method	GENSCAN
Start	22	End	229
GI	none	Score	.87
Exons	22..229		

Seq. No.	10584	Seq. ID	OJ990410_28.9922.C5
Gene No.	22450	Strand	+
Start	1	End	317
Name	OJ990410_28.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	317
GI	4680186	Score	202
Exons	1..48, 113..317		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10584	Seq. ID	OJ990410_28.9922.C5
Gene No.	22451	Strand	+
Start	714	End	820
Name	OJ990410_28.9922.C5.o1.gs	Method	GENSCAN
Start	714	End	820
GI	none	Score	.86
Exons	714..820		

Seq. No.	10584	Seq. ID	OJ990410_28.9922.C5
Gene No.	22452	Strand	+
Start	1046	End	1536
Name	OJ990410_28.9922.C5.o2.gs	Method	GENSCAN
Start	1046	End	1536
GI	none	Score	.93
Exons	1046..1088, 1097..1536		

Seq. No.	10584	Seq. ID	OJ990410_28.9922.C5
Gene No.	22453	Strand	-
Start	1	End	246
Name	OJ990410_28.9922.C5.o1.gp	Method	AAT/GAP
Start	1	End	246
GI	uC-osflcyp033a04b1	Score	427
Exons	1..246		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10584	Seq. ID	OJ990410_28.9922.C5
Gene No.	22454	Strand	-
Start	713	End	1635
Name	OJ990410_28.9922.C5.o2.np	Method	AAT/NAP
Start	713	End	1635
GI	6907087	Score	404

Exons	713..814, 1368..1635		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22455	Strand	+
Start	7252	End	7383
Name	OJ990410_28.9922.C6.o2.gs	Method	GENSCAN
Start	7252	End	7383
GI	none	Score	.45
Exons	7252..7383		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22456	Strand	-
Start	1	End	6815
Name	OJ990410_28.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	4491
GI	4680179	Score	5386
Exons	1..3390, 3424..4491		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22456	Strand	-
Start	1	End	6815
Name	OJ990410_28.9922.C6.o1.gs	Method	GENSCAN
Start	21	End	6710
GI	none	Score	.52
Exons	21..4488, 4660..4742, 4781..5546, 6645..6710		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22456	Strand	-
Start	1	End	6815
Name	OJ990410_28.9922.C6.o1.gp	Method	AAT/GAP
Start	4817	End	5271
GI	95437_1.R1084	Score	786
Exons	4817..5271		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22456	Strand	-
Start	1	End	6815
Name	OJ990410_28.9922.C6.o2.gp	Method	AAT/GAP
Start	6431	End	6815
GI	uC-osflcyp033a04b1	Score	616
Exons	6431..6815		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o6.tw	Method	TBLASTX:Wheat
Start	34	End	367
GI	none	Score	151

Exons	34..366, 98..367		
Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	235	End	813
GI	none	Score	211
Exons	235..654, 239..655, 652..813, 659..805		
Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	367	End	993
GI	none	Score	84
Exons	367..993, 370..621, 479..937		
Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o4.tm	Method	TBLASTX:Maize
Start	862	End	1154
GI	none	Score	211
Exons	862..1152, 866..1153, 966..1154		
Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	952	End	1212
GI	none	Score	160
Exons	952..1212, 953..1207		
Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	976	End	1293
GI	none	Score	79
Exons	976..1119, 977..1117, 1120..1293		
Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	999	End	1567
GI	none	Score	84
Exons	999..1247, 1000..1536, 1004..1567		
Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	1558	End	1921
GI	none	Score	173
Exons	1558..1920, 1567..1920, 1571..1921		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	1570	End	1992
GI	none	Score	364
Exons	1570..1992, 1571..1960		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o3.ts	Method	TBLASTX:Soybean
Start	1741	End	1986
GI	none	Score	93
Exons	1741..1986, 1742..1969		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	1957	End	2457
GI	none	Score	50
Exons	1957..2271, 2000..2050, 2078..2206, 2278..2457, 2303..2449		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o5.tw	Method	TBLASTX:Wheat
Start	1993	End	2295
GI	none	Score	257
Exons	1993..2295, 2009..2293, 2214..2294		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	2008	End	2403
GI	none	Score	190
Exons	2008..2367, 2009..2299, 2327..2365, 2371..2403, 2372..2401		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o4.tw	Method	TBLASTX:Wheat
Start	2344	End	2826
GI	none	Score	226
Exons	2344..2721, 2387..2722, 2776..2826		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o5.tm	Method	TBLASTX:Maize
Start	2525	End	2817
GI	none	Score	137
Exons	2525..2716, 2527..2718, 2527..2817		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o8.tw	Method	TBLASTX:Wheat
Start	2941	End	3363
GI	none	Score	69
Exons	2941..3108, 2996..3109, 3154..3363, 3155..3307		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o7.tm	Method	TBLASTX:Maize
Start	3046	End	3399
GI	none	Score	189
Exons	3046..3399		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o7.tw	Method	TBLASTX:Wheat
Start	3682	End	4040
GI	none	Score	112
Exons	3682..4032, 3839..4033, 3906..4040		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o6.tm	Method	TBLASTX:Maize
Start	3727	End	4032
GI	none	Score	90
Exons	3727..4032, 3902..4018		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o9.tw	Method	TBLASTX:Wheat
Start	4066	End	4430
GI	none	Score	64
Exons	4066..4263, 4067..4264, 4069..4266, 4392..4430		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o3.gs	Method	GENSCAN
Start	7695	End	9463
GI	none	Score	.55
Exons	7695..8194, 9421..9463		

Seq. No.	10585	Seq. ID	OJ990410_28.9922.C6
Gene No.	22457	Strand	-
Start	7695	End	9463
Name	OJ990410_28.9922.C6.o2.np	Method	AAT/NAP
Start	7722	End	9237
GI	6907087	Score	456
Exons	7722..8470, 8869..9237		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza		

sativa]

Seq. No.	10586	Seq. ID	OJ990410_28.9922.C7
Gene No.	22458	Strand	-
Start	403	End	518
Name	OJ990410_28.9922.C7.o1.gs	Method	GENSCAN
Start	403	End	518
GI	none	Score	.9
Exons	403..518		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22459	Strand	+
Start	1	End	2511
Name	OJ990410_28.9922.C8.o2.np	Method	AAT/NAP
Start	1	End	2511
GI	6063554	Score	258
Exons	1..26, 700..986, 1104..1305, 2188..2237, 2338..2511		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22460	Strand	+
Start	3758	End	4519
Name	OJ990410_28.9922.C8.o3.np	Method	AAT/NAP
Start	3758	End	4519
GI	4512229	Score	1240
Exons	3758..4519		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22461	Strand	+
Start	4747	End	9094
Name	OJ990410_28.9922.C8.o4.np	Method	AAT/NAP
Start	4747	End	9094
GI	4680179	Score	5408
Exons	4747..9094		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22462	Strand	-
Start	1	End	6909
Name	OJ990410_28.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	2596
GI	4680179	Score	282
Exons	1..339, 2556..2596		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22462	Strand	-
Start	1	End	6909
Name	OJ990410_28.9922.C8.o7.tm	Method	TBLASTX:Maize
Start	1	End	6465
GI	none	Score	62
Exons	1..165, 2..148, 6268..6465, 6306..6464		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8

Gene No.	22462	Strand	-
Start	1	End	6909
Name	OJ990410_28.9922.C8.o4.tw	Method	TBLASTX:Wheat
Start	1	End	6879
GI	none	Score	541
Exons	1..66, 6393..6686, 6397..6879, 6511..6837		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22462	Strand	-
Start	1	End	6909
Name	OJ990410_28.9922.C8.o8.tw	Method	TBLASTX:Wheat
Start	199	End	6264
GI	none	Score	240
Exons	199..333, 5911..6264, 6087..6221		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22462	Strand	-
Start	1	End	6909
Name	OJ990410_28.9922.C8.o9.tw	Method	TBLASTX:Wheat
Start	4977	End	5159
GI	none	Score	196
Exons	4977..5159, 4979..5158		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22462	Strand	-
Start	1	End	6909
Name	OJ990410_28.9922.C8.o6.tm	Method	TBLASTX:Maize
Start	5211	End	5510
GI	none	Score	245
Exons	5211..5510, 5237..5341, 5332..5367, 5441..5506		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22462	Strand	-
Start	1	End	6909
Name	OJ990410_28.9922.C8.o6.tw	Method	TBLASTX:Wheat
Start	5211	End	5555
GI	none	Score	320
Exons	5211..5555, 5237..5341, 5238..5354, 5314..5406		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22462	Strand	-
Start	1	End	6909
Name	OJ990410_28.9922.C8.o4.ts	Method	TBLASTX:Soybean
Start	6433	End	6747
GI	none	Score	196
Exons	6433..6747		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22462	Strand	-
Start	1	End	6909
Name	OJ990410_28.9922.C8.o4.tm	Method	TBLASTX:Maize
Start	6466	End	6909
GI	none	Score	373
Exons	6466..6909, 6535..6900		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22463	Strand	

Start	6820	End	7301
Name	OJ990410_28.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	6820	End	7215
GI	none	Score	57
Exons	6820..6852, 6820..6852, 6856..6909, 6856..6936, 6858..7205, 6970..7215		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22463	Strand	
Start	6820	End	7301
Name	OJ990410_28.9922.C8.o5.tw	Method	TBLASTX:Wheat
Start	6939	End	7229
GI	none	Score	107
Exons	6939..7229, 6959..7204, 6966..7223, 6970..7227		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22463	Strand	
Start	6820	End	7301
Name	OJ990410_28.9922.C8.o5.tm	Method	TBLASTX:Maize
Start	6967	End	7301
GI	none	Score	319
Exons	6967..7296, 7017..7301		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22464	Strand	
Start	7230	End	7656
Name	OJ990410_28.9922.C8.o2.tw	Method	TBLASTX:Wheat
Start	7230	End	7656
GI	none	Score	62
Exons	7230..7388, 7230..7649, 7231..7656, 7270..7656		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22464	Strand	
Start	7230	End	7656
Name	OJ990410_28.9922.C8.o3.ts	Method	TBLASTX:Soybean
Start	7240	End	7485
GI	none	Score	213
Exons	7240..7485, 7240..7485		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22464	Strand	
Start	7230	End	7656
Name	OJ990410_28.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	7303	End	7656
GI	none	Score	475
Exons	7303..7656, 7308..7571, 7309..7641, 7617..7649		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22465	Strand	
Start	7682	End	9093
Name	OJ990410_28.9922.C8.o3.tw	Method	TBLASTX:Wheat
Start	7682	End	8223
GI	none	Score	575
Exons	7682..7918, 7687..8223, 7690..8217, 7941..8222		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22465	Strand	

Start	7682	End	9093
Name	OJ990410_28.9922.C8.o2.ts	Method	TBLASTX:Soybean
Start	8011	End	8271
GI	none	Score	300
Exons	8011..8271, 8013..8270		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22465	Strand	
Start	7682	End	9093
Name	OJ990410_28.9922.C8.o3.tm	Method	TBLASTX:Maize
Start	8069	End	8361
GI	none	Score	164
Exons	8069..8329, 8070..8342, 8070..8357, 8071..8361		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22465	Strand	
Start	7682	End	9093
Name	OJ990410_28.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	8230	End	8856
GI	none	Score	732
Exons	8230..8856, 8232..8744, 8605..8850, 8787..8855		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22465	Strand	
Start	7682	End	9093
Name	OJ990410_28.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	8410	End	8994
GI	none	Score	230
Exons	8410..8571, 8416..8526, 8418..8573, 8418..8564, 8568..8870, 8569..8994, 8898..8993		

Seq. No.	10587	Seq. ID	OJ990410_28.9922.C8
Gene No.	22465	Strand	
Start	7682	End	9093
Name	OJ990410_28.9922.C8.o7.tw	Method	TBLASTX:Wheat
Start	8856	End	9093
GI	none	Score	268
Exons	8856..8930, 8857..9093		

Seq. No.	10588	Seq. ID	OJ990410_28.9922.C9
Gene No.	22466	Strand	+
Start	1	End	206
Name	OJ990410_28.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	206
GI	5852180	Score	144
Exons	1..206		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10588	Seq. ID	OJ990410_28.9922.C9
Gene No.	22467	Strand	-
Start	40	End	297
Name	OJ990410_28.9922.C9.o1.gs	Method	GENSCAN
Start	40	End	297
GI	none	Score	.48
Exons	40..297		

Seq. No.	10589	Seq. ID	OJ990410_28.9922.C11

Gene No.	22468	Strand	+
Start	1	End	720
Name	OJ990410_28.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	432
GI	5852180	Score	414
Exons	1..432		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10589	Seq. ID	OJ990410_28.9922.C11
Gene No.	22468	Strand	+
Start	1	End	720
Name	OJ990410_28.9922.C11.o1.gs	Method	GENSCAN
Start	91	End	720
GI	none	Score	.92
Exons	91..720		

Seq. No.	10590	Seq. ID	OJ990410_28.9922.C12
Gene No.	22469	Strand	-
Start	2368	End	3601
Name	OJ990410_28.9922.C12.o1.gs	Method	GENSCAN
Start	2368	End	3601
GI	none	Score	.67
Exons	2368..2741, 3301..3601		

Seq. No.	10591	Seq. ID	OJ990410_28.9922.C13
Gene No.	22470	Strand	+
Start	391	End	419
Name	OJ990410_28.9922.C13.o1.gs	Method	GENSCAN
Start	391	End	419
GI	none	Score	.51
Exons	391..419		

Seq. No.	10591	Seq. ID	OJ990410_28.9922.C13
Gene No.	22471	Strand	-
Start	1	End	765
Name	OJ990410_28.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	765
GI	4512237	Score	157
Exons	1..25, 657..765		
GI Descrip.	(AB014746) polyprotein [Hordeum vulgare]		

Seq. No.	10592	Seq. ID	OJ990410_28.9922.C14
Gene No.	22472	Strand	-
Start	1	End	2596
Name	OJ990410_28.9922.C14.o1.np	Method	AAT/NAP
Start	1	End	2596
GI	6705984	Score	698
Exons	1..1226, 2464..2596		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	10592	Seq. ID	OJ990410_28.9922.C14
Gene No.	22472	Strand	-
Start	1	End	2596
Name	OJ990410_28.9922.C14.o2.tw	Method	TBLASTX:Wheat
Start	13	End	294
GI	none	Score	143
Exons	13..294, 46..282		

Seq. No.	10592	Seq. ID	OJ990410_28.9922.C14
Gene No.	22472	Strand	-
Start	1	End	2596
Name	OJ990410_28.9922.C14.o1.gs	Method	GENSCAN
Start	148	End	1375
GI	none	Score	.57
Exons	148..213, 271..456, 805..950, 1075..1375		

Seq. No.	10592	Seq. ID	OJ990410_28.9922.C14
Gene No.	22472	Strand	-
Start	1	End	2596
Name	OJ990410_28.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	670	End	1208
GI	none	Score	88
Exons	670..939, 770..946, 788..937, 920..1018, 936..1016, 954..1061, 1043..1207, 1044..1208		

Seq. No.	10592	Seq. ID	OJ990410_28.9922.C14
Gene No.	22472	Strand	-
Start	1	End	2596
Name	OJ990410_28.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	787	End	1177
GI	none	Score	100
Exons	787..936, 935..1009, 1001..1177		

Seq. No.	10592	Seq. ID	OJ990410_28.9922.C14
Gene No.	22472	Strand	-
Start	1	End	2596
Name	OJ990410_28.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	1043	End	1269
GI	none	Score	140
Exons	1043..1225, 1044..1226, 1219..1269		

Seq. No.	10593	Seq. ID	OJ990410_28.9922.C15
Gene No.	22473	Strand	+
Start	207	End	296
Name	OJ990410_28.9922.C15.o1.np	Method	AAT/NAP
Start	207	End	296
GI	4680183	Score	128
Exons	207..296		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10593	Seq. ID	OJ990410_28.9922.C15
Gene No.	22474	Strand	+
Start	2300	End	2681
Name	OJ990410_28.9922.C15.o1.gp	Method	AAT/GAP
Start	2300	End	2681
GI	uC-osflcyp033a04b1	Score	667
Exons	2300..2681		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10593	Seq. ID	OJ990410_28.9922.C15
Gene No.	22475	Strand	+
Start	4852	End	6325
Name	OJ990410_28.9922.C15.o3.np	Method	AAT/NAP

Start	4852	End	6325
GI	6907087	Score	1065
Exons	4852..5235, 5444..6111, 6242..6325		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10593	Seq. ID	OJ990410_28.9922.C15
Gene No.	22476	Strand	-
Start	2233	End	6325
Name	OJ990410_28.9922.C15.o2.np	Method	AAT/NAP
Start	2233	End	6325
GI	4680186	Score	380
Exons	2233..2433, 3273..3334, 5608..5885, 6199..6325		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10594	Seq. ID	OJ990410_28.9922.C16
Gene No.	22477	Strand	+
Start	1	End	277
Name	OJ990410_28.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	274
GI	6907087	Score	141
Exons	1..97, 173..274		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10594	Seq. ID	OJ990410_28.9922.C16
Gene No.	22477	Strand	+
Start	1	End	277
Name	OJ990410_28.9922.C16.o1.gs	Method	GENSCAN
Start	173	End	277
GI	none	Score	.98
Exons	173..277		

Seq. No.	10594	Seq. ID	OJ990410_28.9922.C16
Gene No.	22478	Strand	+
Start	739	End	1121
Name	OJ990410_28.9922.C16.o1.gp	Method	AAT/GAP
Start	739	End	1121
GI	uC-osflcyp033a04b1	Score	696
Exons	739..1121		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10594	Seq. ID	OJ990410_28.9922.C16
Gene No.	22479	Strand	-
Start	668	End	2961
Name	OJ990410_28.9922.C16.o2.np	Method	AAT/NAP
Start	668	End	2616
GI	4680186	Score	229
Exons	668..889, 2516..2616		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10594	Seq. ID	OJ990410_28.9922.C16
Gene No.	22479	Strand	-
Start	668	End	2961

Name	OJ990410_28.9922.C16.o3.np	Method	AAT/NAP
Start	970	End	2961
GI	5852180	Score	34
Exons	970..1040, 2924..2961		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10595	Seq. ID	OJ990410_28.9922.C17
Gene No.	22480	Strand	+
Start	609	End	5007
Name	OJ990410_28.9922.C17.o1.gs	Method	GENSCAN
Start	609	End	5007
GI	none	Score	.94
Exons	609..660, 1234..1336, 2694..2854, 2929..3252, 4325..5007		

Seq. No.	10595	Seq. ID	OJ990410_28.9922.C17
Gene No.	22480	Strand	+
Start	609	End	5007
Name	OJ990410_28.9922.C17.o1.np	Method	AAT/NAP
Start	1644	End	4594
GI	5852179	Score	506
Exons	1644..1664, 2657..2854, 2929..3169, 4564..4594		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	10595	Seq. ID	OJ990410_28.9922.C17
Gene No.	22481	Strand	+
Start	6997	End	7419
Name	OJ990410_28.9922.C17.o2.gp	Method	AAT/GAP
Start	5499	End	5730
GI	101153_1.R1084	Score	369
Exons	5499..5730		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10595	Seq. ID	OJ990410_28.9922.C17
Gene No.	22481	Strand	+
Start	6997	End	7419
Name	OJ990410_28.9922.C17.o2.gs	Method	GENSCAN
Start	6997	End	7419
GI	none	Score	.46
Exons	6997..7419		

Seq. No.	10595	Seq. ID	OJ990410_28.9922.C17
Gene No.	22482	Strand	-
Start	2831	End	5101
Name	OJ990410_28.9922.C17.o2.np	Method	AAT/NAP
Start	2831	End	5101
GI	5852179	Score	252
Exons	2831..2977, 4417..4640, 4876..5101		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	10595	Seq. ID	OJ990410_28.9922.C17
Gene No.	22483	Strand	-
Start	6722	End	6972
Name	OJ990410_28.9922.C17.o4.gp	Method	AAT/GAP
Start	6722	End	6972
GI	61605_3.R1084	Score	364
Exons	6722..6972		

GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22484	Strand	+
Start	1	End	5407
Name	OJ990410_28.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	5404
GI	4680179	Score	2563
Exons	1..21, 279..1364, 4625..5404		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22484	Strand	+
Start	1	End	5407
Name	OJ990410_28.9922.C18.o1.gs	Method	GENSCAN
Start	281	End	1211
GI	none	Score	.47
Exons	281..1211		
Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22484	Strand	+
Start	1	End	5407
Name	OJ990410_28.9922.C18.o1.gp	Method	AAT/GAP
Start	2378	End	4619
GI	61605_1.R1084	Score	1235
Exons	2378..2684, 3128..3208, 4347..4619		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22484	Strand	+
Start	1	End	5407
Name	OJ990410_28.9922.C18.o3.gs	Method	GENSCAN
Start	3763	End	5407
GI	none	Score	.78
Exons	3763..3834, 4625..5407		
Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22485	Strand	-
Start	2031	End	5359
Name	OJ990410_28.9922.C18.o3.tm	Method	TBLASTX:Maize
Start	314	End	575
GI	none	Score	352
Exons	314..562, 315..566, 324..575		
Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22485	Strand	-
Start	2031	End	5359
Name	OJ990410_28.9922.C18.o3.tw	Method	TBLASTX:Wheat
Start	315	End	554
GI	none	Score	366
Exons	315..554, 317..553		
Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22485	Strand	-
Start	2031	End	5359

Name	OJ990410_28.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	555	End	1133
GI	none	Score	656
Exons	555..1133, 566..1132		

Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22485	Strand	-
Start	2031	End	5359
Name	OJ990410_28.9922.C18.o1.tc	Method	TBLASTX:Cress
Start	840	End	1157
GI	none	Score	94
Exons	840..1013, 1014..1157, 1016..1156		

Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22485	Strand	-
Start	2031	End	5359
Name	OJ990410_28.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	921	End	1181
GI	none	Score	300
Exons	921..1181, 926..1180		

Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22485	Strand	-
Start	2031	End	5359
Name	OJ990410_28.9922.C18.o2.tm	Method	TBLASTX:Maize
Start	980	End	1271
GI	none	Score	359
Exons	980..1267, 981..1271		

Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22485	Strand	-
Start	2031	End	5359
Name	OJ990410_28.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	1140	End	5026
GI	none	Score	232
Exons	1140..1367, 4622..5026, 4626..4790, 4663..4914, 4772..5023		

Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22485	Strand	-
Start	2031	End	5359
Name	OJ990410_28.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	1320	End	5178
GI	none	Score	75
Exons	1320..1364, 4621..4734, 4622..4741, 4739..5158, 4741..5154, 4909..5178		

Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22485	Strand	-
Start	2031	End	5359
Name	OJ990410_28.9922.C18.o2.gs	Method	GENSCAN
Start	2031	End	2601
GI	none	Score	.65
Exons	2031..2204, 2353..2601		

Seq. No.	10596	Seq. ID	OJ990410_28.9922.C18
Gene No.	22485	Strand	-
Start	2031	End	5359

Name	OJ990410_28.9922.C18.o4.tw	Method	TBLASTX:Wheat
Start	5026	End	5359
GI	none	Score	312
Exons	5026..5295, 5027..5359		

Seq. No.	10597	Seq. ID	OJ990410_28.9922.C19
Gene No.	22486	Strand	+
Start	343	End	445
Name	OJ990410_28.9922.C19.o1.gs	Method	GENSCAN
Start	343	End	445
GI	none	Score	.84
Exons	343..445		

Seq. No.	10597	Seq. ID	OJ990410_28.9922.C19
Gene No.	22487	Strand	+
Start	1398	End	3777
Name	OJ990410_28.9922.C19.o1.np	Method	AAT/NAP
Start	1398	End	3777
GI	5852180	Score	560
Exons	1398..1475, 2462..2571, 2623..3031, 3738..3777		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10597	Seq. ID	OJ990410_28.9922.C19
Gene No.	22488	Strand	-
Start	1316	End	1700
Name	OJ990410_28.9922.C19.o1.gp	Method	AAT/GAP
Start	1316	End	1700
GI	uC-osflcyp033a04b1	Score	644
Exons	1316..1700		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10597	Seq. ID	OJ990410_28.9922.C19
Gene No.	22489	Strand	-
Start	5789	End	7060
Name	OJ990410_28.9922.C19.o3.gs	Method	GENSCAN
Start	5789	End	7060
GI	none	Score	.52
Exons	5789..7060		

Seq. No.	10598	Seq. ID	OJ990410_28.9922.C20
Gene No.	22490	Strand	+
Start	110	End	955
Name	OJ990410_28.9922.C20.o1.gs	Method	GENSCAN
Start	110	End	955
GI	none	Score	.67
Exons	110..955		

Seq. No.	10598	Seq. ID	OJ990410_28.9922.C20
Gene No.	22491	Strand	-
Start	44	End	480
Name	OJ990410_28.9922.C20.o1.np	Method	AAT/NAP
Start	44	End	480
GI	4680185	Score	475
Exons	44..480		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10599	Seq. ID	OJ990410_28.9922.C22
Gene No.	22492	Strand	+
Start	827	End	1552
Name	OJ990410_28.9922.C22.o1.np	Method	AAT/NAP
Start	824	End	1552
GI	4680179	Score	655
Exons	824..1552		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10599	Seq. ID	OJ990410_28.9922.C22
Gene No.	22492	Strand	+
Start	827	End	1552
Name	OJ990410_28.9922.C22.o2.gs	Method	GENSCAN
Start	827	End	1540
GI	none	Score	.64
Exons	827..1540		

Seq. No.	10599	Seq. ID	OJ990410_28.9922.C22
Gene No.	22492	Strand	+
Start	827	End	1552
Name	OJ990410_28.9922.C22.o1.tw	Method	TBLASTX:Wheat
Start	1060	End	1420
GI	none	Score	289
Exons	1060..1419, 1061..1420		

Seq. No.	10600	Seq. ID	OJ990410_28.9922.C23
Gene No.	22493	Strand	+
Start	1	End	1325
Name	OJ990410_28.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	1325
GI	4680179	Score	307
Exons	1..337, 371..666, 1295..1325		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10600	Seq. ID	OJ990410_28.9922.C23
Gene No.	22493	Strand	+
Start	1	End	1325
Name	OJ990410_28.9922.C23.o1.gs	Method	GENSCAN
Start	96	End	449
GI	none	Score	.76
Exons	96..449		

Seq. No.	10600	Seq. ID	OJ990410_28.9922.C23
Gene No.	22493	Strand	+
Start	1	End	1325
Name	OJ990410_28.9922.C23.o1.tw	Method	TBLASTX:Wheat
Start	278	End	655
GI	none	Score	60
Exons	278..373, 401..655, 454..594		

Seq. No.	10601	Seq. ID	OJ990410_28.9922.C24
Gene No.	22494	Strand	+
Start	199	End	477
Name	OJ990410_28.9922.C24.o1.gs	Method	GENSCAN
Start	199	End	477
GI	none	Score	.74
Exons	199..253, 365..477		

Seq. No.	10602	Seq. ID	OJ990410_28.9922.C25
Gene No.	22495	Strand	-
Start	184	End	991
Name	OJ990410_28.9922.C25.o1.gs	Method	GENSCAN
Start	184	End	991
GI	none	Score	.71
Exons	184..306, 896..991		

Seq. No.	10603	Seq. ID	OJ990410_28.9922.C26
Gene No.	22496	Strand	+
Start	65	End	540
Name	OJ990410_28.9922.C26.o1.gs	Method	GENSCAN
Start	65	End	540
GI	none	Score	.78
Exons	65..265, 434..540		

Seq. No.	10603	Seq. ID	OJ990410_28.9922.C26
Gene No.	22497	Strand	-
Start	1	End	396
Name	OJ990410_28.9922.C26.o1.np	Method	AAT/NAP
Start	1	End	396
GI	4680185	Score	461
Exons	1..396		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10604	Seq. ID	OJ990410_25.9922.C2
Gene No.	22498	Strand	+
Start	3691	End	5117
Name	OJ990410_25.9922.C2.o2.np	Method	AAT/NAP
Start	3691	End	5117
GI	6862925	Score	88
Exons	3691..3815, 4358..4661, 5101..5117		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10604	Seq. ID	OJ990410_25.9922.C2
Gene No.	22498	Strand	+
Start	3691	End	5117
Name	OJ990410_25.9922.C2.o3.np	Method	AAT/NAP
Start	4621	End	5117
GI	6006381	Score	80
Exons	4621..4667, 5029..5117		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	10604	Seq. ID	OJ990410_25.9922.C2
Gene No.	22499	Strand	-
Start	1	End	4596
Name	OJ990410_25.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	2769
GI	6691716	Score	1973
Exons	1..69, 121..258, 331..443, 594..697, 773..951, 1147..1430, 1512..1701, 1899..2769		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	10604	Seq. ID	OJ990410_25.9922.C2

Gene No.	22499	Strand	-
Start	1	End	4596
Name	OJ990410_25.9922.C2.o1.gs	Method	GENSCAN
Start	26	End	4596
GI	none	Score	.53
Exons	26..258, 331..435, 508..621, 760..960, 1035..1188, 1193..1666, 1885..2808, 4381..4596		

Seq. No.	10604	Seq. ID	OJ990410_25.9922.C2
Gene No.	22499	Strand	-
Start	1	End	4596
Name	OJ990410_25.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	2359	End	2649
GI	none	Score	220
Exons	2359..2649		

Seq. No.	10604	Seq. ID	OJ990410_25.9922.C2
Gene No.	22499	Strand	-
Start	1	End	4596
Name	OJ990410_25.9922.C2.o1.gp	Method	AAT/GAP
Start	4081	End	4228
GI	uC-osflcyp177g01a1	Score	241
Exons	4081..4228		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	10605	Seq. ID	OJ990410_25.9922.C3
Gene No.	22500	Strand	+
Start	2	End	2297
Name	OJ990410_25.9922.C3.o1.np	Method	AAT/NAP
Start	2	End	2003
GI	5852180	Score	39
Exons	2..46, 1940..2003		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10605	Seq. ID	OJ990410_25.9922.C3
Gene No.	22500	Strand	+
Start	2	End	2297
Name	OJ990410_25.9922.C3.o2.np	Method	AAT/NAP
Start	344	End	2297
GI	4680186	Score	223
Exons	344..376, 2093..2297		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10605	Seq. ID	OJ990410_25.9922.C3
Gene No.	22500	Strand	+
Start	2	End	2297
Name	OJ990410_25.9922.C3.o1.gp	Method	AAT/GAP
Start	974	End	1131
GI	3761181	Score	279
Exons	974..1131		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	10605	Seq. ID	OJ990410_25.9922.C3
Gene No.	22501	Strand	-
Start	1842	End	2226

Name	OJ990410_25.9922.C3.o2.gp	Method	AAT/GAP
Start	1842	End	2226
GI	uC-osflcyp033a04b1	Score	666
Exons	1842..2226		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10606	Seq. ID	OJ990410_25.9922.C4
Gene No.	22502	Strand	+
Start	381	End	1938
Name	OJ990410_25.9922.C4.o1.gs	Method	GENSCAN
Start	381	End	1690
GI	none	Score	.63
Exons	381..465, 974..1073, 1142..1202, 1286..1690		

Seq. No.	10606	Seq. ID	OJ990410_25.9922.C4
Gene No.	22502	Strand	+
Start	381	End	1938
Name	OJ990410_25.9922.C4.o2.np	Method	AAT/NAP
Start	1129	End	1938
GI	5091513	Score	193
Exons	1129..1167, 1788..1938		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10606	Seq. ID	OJ990410_25.9922.C4
Gene No.	22503	Strand	-
Start	1	End	278
Name	OJ990410_25.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	278
GI	6907087	Score	350
Exons	1..278		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10607	Seq. ID	OJ990410_25.9922.C6
Gene No.	22504	Strand	-
Start	747	End	1571
Name	OJ990410_25.9922.C6.o1.gs	Method	GENSCAN
Start	747	End	1571
GI	none	Score	.56
Exons	747..809, 1004..1214, 1501..1571		

Seq. No.	10608	Seq. ID	OJ990410_25.9922.C7
Gene No.	22505	Strand	-
Start	60	End	1767
Name	OJ990410_25.9922.C7.o1.np	Method	AAT/NAP
Start	60	End	1767
GI	6069646	Score	741
Exons	60..1036, 1319..1767		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	10608	Seq. ID	OJ990410_25.9922.C7

Gene No.	22505	Strand	-
Start	60	End	1767
Name	OJ990410_25.9922.C7.o1.gs	Method	GENSCAN
Start	125	End	1750
GI	none	Score	.52
Exons	125..780, 1369..1750		

Seq. No.	10608	Seq. ID	OJ990410_25.9922.C7
Gene No.	22505	Strand	-
Start	60	End	1767
Name	OJ990410_25.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	144	End	643
GI	none	Score	90
Exons	144..263, 161..292, 299..535, 365..406, 423..527, 539..643		

Seq. No.	10608	Seq. ID	OJ990410_25.9922.C7
Gene No.	22505	Strand	-
Start	60	End	1767
Name	OJ990410_25.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	344	End	526
GI	none	Score	55
Exons	344..526, 435..521		

Seq. No.	10608	Seq. ID	OJ990410_25.9922.C7
Gene No.	22505	Strand	-
Start	60	End	1767
Name	OJ990410_25.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	818	End	1102
GI	none	Score	102
Exons	818..1102, 828..1091		

Seq. No.	10608	Seq. ID	OJ990410_25.9922.C7
Gene No.	22505	Strand	-
Start	60	End	1767
Name	OJ990410_25.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	944	End	1381
GI	none	Score	143
Exons	944..1057, 1133..1381		

Seq. No.	10608	Seq. ID	OJ990410_25.9922.C7
Gene No.	22505	Strand	-
Start	60	End	1767
Name	OJ990410_25.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	1022	End	1462
GI	none	Score	71
Exons	1022..1150, 1160..1462, 1170..1460		

Seq. No.	10608	Seq. ID	OJ990410_25.9922.C7
Gene No.	22505	Strand	-
Start	60	End	1767
Name	OJ990410_25.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	1103	End	1766
GI	none	Score	78
Exons	1103..1474, 1112..1558, 1131..1559, 1571..1765, 1575..1766		

Seq. No.	10609	Seq. ID	OJ990410_25.9922.C8
Gene No.	22506	Strand	-

Start	149	End	1619
Name	OJ990410_25.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	38	End	331
GI	none	Score	194
Exons	38..331, 39..329, 47..331		

Seq. No.	10609	Seq. ID	OJ990410_25.9922.C8
Gene No.	22506	Strand	-
Start	149	End	1619
Name	OJ990410_25.9922.C8.o1.gs	Method	GENSCAN
Start	149	End	1619
GI	none	Score	.69
Exons	149..352, 388..597, 743..800, 1044..1267, 1504..1619		

Seq. No.	10609	Seq. ID	OJ990410_25.9922.C8
Gene No.	22506	Strand	-
Start	149	End	1619
Name	OJ990410_25.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	479	End	790
GI	none	Score	79
Exons	479..790, 488..790		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22507	Strand	+
Start	2294	End	3436
Name	OJ990410_25.9922.C9.o1.gs	Method	GENSCAN
Start	2294	End	3436
GI	none	Score	.92
Exons	2294..2377, 2843..3436		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22508	Strand	+
Start	6202	End	6841
Name	OJ990410_25.9922.C9.o1.gp	Method	AAT/GAP
Start	5931	End	6005
GI	uC-osroM202024h08a1	Score	88
Exons	5931..6005		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22508	Strand	+
Start	6202	End	6841
Name	OJ990410_25.9922.C9.o2.gs	Method	GENSCAN
Start	6202	End	6841
GI	none	Score	.7
Exons	6202..6451, 6477..6841		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22509	Strand	+
Start	11249	End	11521
Name	OJ990410_25.9922.C9.o2.gp	Method	AAT/GAP
Start	11249	End	11521
GI	61605_1.R1084	Score	462
Exons	11249..11521		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o3.gs	Method	GENSCAN
Start	7311	End	9497
GI	none	Score	.47
Exons	7311..8113, 8772..8932, 9088..9497		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o1.np	Method	AAT/NAP
Start	7314	End	14407
GI	4680179	Score	4861
Exons	7314..8101, 11525..14139, 14167..14407		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o5.tw	Method	TBLASTX:Wheat
Start	7359	End	7692
GI	none	Score	41
Exons	7359..7691, 7552..7599, 7584..7688, 7618..7692		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	7554	End	11561
GI	none	Score	69
Exons	7554..7979, 7677..7865, 7678..7980, 7975..8103, 7977..8105, 7984..8106, 7986..8108, 11481..11561		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o4.tw	Method	TBLASTX:Wheat
Start	7692	End	11741
GI	none	Score	51
Exons	7692..8105, 7693..7761, 7698..7943, 7804..8106, 11517..11648, 11526..11741, 11527..11739		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o4.gs	Method	GENSCAN
Start	10531	End	14298
GI	none	Score	.82
Exons	10531..10732, 11449..12822, 12902..14298		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	11610	End	11901

GI	none	Score	287
Exons	11610..11900, 11614..11901		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	11700	End	11960
GI	none	Score	84
Exons	11700..11936, 11700..11960, 11701..11958		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	11724	End	12050
GI	none	Score	86
Exons	11724..11867, 11743..11865, 11868..12050		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	11748	End	12284
GI	none	Score	219
Exons	11748..12206, 11748..12284, 11749..12282		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	12315	End	12668
GI	none	Score	49
Exons	12315..12668, 12322..12354, 12330..12632, 12400..12648		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	12355	End	12771
GI	none	Score	246
Exons	12355..12612, 12357..12770, 12372..12746, 12400..12771		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o3.ts	Method	TBLASTX:Soybean
Start	12486	End	12734
GI	none	Score	196
Exons	12486..12734		

Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o5.tm	Method	TBLASTX:Maize
Start	12670	End	13014
GI	none	Score	125

Exons	12670..12879, 12675..12878, 12880..13014, 12886..13008		
Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	12756	End	13152
GI	none	Score	97
Exons	12756..12884, 12766..12885, 12883..13008, 12884..12997, 12886..13011, 12972..13112, 13036..13113, 13063..13116, 13120..13152, 13120..13152		
Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o6.tw	Method	TBLASTX:Wheat
Start	12774	End	13005
GI	none	Score	133
Exons	12774..12884, 12784..12879, 12797..12895, 12800..12892, 12880..13005, 12887..12997		
Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o4.tm	Method	TBLASTX:Maize
Start	13063	End	13510
GI	none	Score	122
Exons	13063..13506, 13072..13434, 13328..13510		
Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o3.tw	Method	TBLASTX:Wheat
Start	13093	End	13579
GI	none	Score	211
Exons	13093..13575, 13135..13464, 13286..13579		
Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o4.ts	Method	TBLASTX:Soybean
Start	13225	End	13539
GI	none	Score	196
Exons	13225..13539		
Seq. No.	10610	Seq. ID	OJ990410_25.9922.C9
Gene No.	22510	Strand	-
Start	7311	End	14407
Name	OJ990410_25.9922.C9.o7.tw	Method	TBLASTX:Wheat
Start	13714	End	14061
GI	none	Score	55
Exons	13714..14061, 13751..13882		
Seq. No.	10611	Seq. ID	OJ990410_25.9922.C10
Gene No.	22511	Strand	+
Start	140	End	1670
Name	OJ990410_25.9922.C10.o1.gs	Method	GENSCAN

Start	140	End	1255
GI	none	Score	.75
Exons	140..1255		

Seq. No.	10611	Seq. ID	OJ990410_25.9922.C10
Gene No.	22511	Strand	+
Start	140	End	1670
Name	OJ990410_25.9922.C10.o1.np	Method	AAT/NAP
Start	186	End	1670
GI	4680179	Score	757
Exons	186..1189, 1642..1670		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10611	Seq. ID	OJ990410_25.9922.C10
Gene No.	22511	Strand	+
Start	140	End	1670
Name	OJ990410_25.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	302	End	658
GI	none	Score	289
Exons	302..658, 310..480, 509..649, 517..657		

Seq. No.	10611	Seq. ID	OJ990410_25.9922.C10
Gene No.	22511	Strand	+
Start	140	End	1670
Name	OJ990410_25.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	539	End	829
GI	none	Score	217
Exons	539..802, 562..726, 767..829		

Seq. No.	10612	Seq. ID	OJ990410_25.9922.C11
Gene No.	22512	Strand	+
Start	1	End	4193
Name	OJ990410_25.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	3989
GI	161752	Score	127
Exons	1..48, 829..927, 1075..1211, 1245..1320, 1466..1544, 1812..1898, 3951..3989		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	10612	Seq. ID	OJ990410_25.9922.C11
Gene No.	22512	Strand	+
Start	1	End	4193
Name	OJ990410_25.9922.C11.o1.gs	Method	GENSCAN
Start	132	End	4193
GI	none	Score	.57
Exons	132..197, 564..1967, 2134..2407, 3303..3473, 3964..4193		

Seq. No.	10613	Seq. ID	OJ990410_25.9922.C12
Gene No.	22513	Strand	-
Start	919	End	1011
Name	OJ990410_25.9922.C12.o1.gs	Method	GENSCAN
Start	919	End	1011
GI	none	Score	.68
Exons	919..1011		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13

Gene No.	22514	Strand	+
Start	2892	End	3098
Name	OJ990410_25.9922.C13.o2.np	Method	AAT/NAP
Start	2892	End	3098
GI	4680186	Score	206
Exons	2892..3098		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22515	Strand	+
Start	3823	End	12696
Name	OJ990410_25.9922.C13.o2.gs	Method	GENSCAN
Start	3823	End	12696
GI	none	Score	.48
Exons	3823..3905, 3920..4584, 4602..5074, 5601..6270, 7122..7440, 7752..8007, 8054..8216, 8221..8309, 8592..8661, 8951..9079, 10820..10897, 11236..11418, 11964..12006, 12561..12696		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22515	Strand	+
Start	3823	End	12696
Name	OJ990410_25.9922.C13.o3.np	Method	AAT/NAP
Start	5621	End	9193
GI	5091513	Score	1873
Exons	5621..6377, 7032..7837, 8041..8244, 8972..9193		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22515	Strand	+
Start	3823	End	12696
Name	OJ990410_25.9922.C13.o3.gp	Method	AAT/GAP
Start	10543	End	10789
GI	3761181	Score	420
Exons	10543..10789		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22516	Strand	-
Start	1	End	1803
Name	OJ990410_25.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	1803
GI	4680179	Score	572
Exons	1..286, 437..1337, 1719..1803		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22517	Strand	-
Start	2654	End	3026
Name	OJ990410_25.9922.C13.o1.gp	Method	AAT/GAP
Start	2654	End	3026
GI	uC-osflcyp033a04b1	Score	512
Exons	2654..3026		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13

Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o6.tm	Method	TBLASTX:Maize
Start	637	End	936
GI	none	Score	67
Exons	637..936, 833..913		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o2.tw	Method	TBLASTX:Wheat
Start	817	End	1176
GI	none	Score	156
Exons	817..1176, 821..1174		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o3.gs	Method	GENSCAN
Start	12888	End	19175
GI	none	Score	.51
Exons	12888..13050, 13136..13290, 13383..13503, 13607..13725, 14133..14176, 14245..14518, 14609..14759, 16983..17889, 18071..19175		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o4.np	Method	AAT/NAP
Start	15061	End	19410
GI	4585985	Score	2449
Exons	15061..15941, 15969..16407, 16642..17988, 18071..18547, 18770..19283, 19330..19410		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	15157	End	15339
GI	none	Score	79
Exons	15157..15339, 15161..15337		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o5.tm	Method	TBLASTX:Maize
Start	15265	End	15585
GI	none	Score	99
Exons	15265..15339, 15358..15585, 15365..15583		

Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	15331	End	15588
GI	none	Score	111

Exons	15331..15588, 15380..15580		
Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	15892	End	16261
GI	none	Score	111
Exons	15892..16233, 15910..16236, 15977..16261		
Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o4.tm	Method	TBLASTX:Maize
Start	16405	End	16791
GI	none	Score	95
Exons	16405..16620, 16654..16791		
Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	17915	End	18324
GI	none	Score	87
Exons	17915..17995, 18052..18204, 18057..18191, 18195..18320, 18202..18324		
Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	18075	End	18503
GI	none	Score	65
Exons	18075..18182, 18088..18183, 18207..18503, 18208..18423, 18216..18470		
Seq. No.	10614	Seq. ID	OJ990410_25.9922.C13
Gene No.	22518	Strand	-
Start	12888	End	19410
Name	OJ990410_25.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	18327	End	19130
GI	none	Score	49
Exons	18327..18608, 18451..18591, 18597..18965, 18612..19061, 18730..19062, 19077..19130		
Seq. No.	10615	Seq. ID	OJ990410_25.9922.C15
Gene No.	22519	Strand	+
Start	1245	End	3005
Name	OJ990410_25.9922.C15.o1.gs	Method	GENSCAN
Start	1245	End	2971
GI	none	Score	.59
Exons	1245..1543, 1643..1733, 1845..1910, 2295..2971		
Seq. No.	10615	Seq. ID	OJ990410_25.9922.C15
Gene No.	22519	Strand	+
Start	1245	End	3005
Name	OJ990410_25.9922.C15.o1.np	Method	AAT/NAP

Start	1245	End	2006
GI	4512229	Score	1199
Exons	1245..2006		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	10615	Seq. ID	OJ990410_25.9922.C15
Gene No.	22519	Strand	+
Start	1245	End	3005
Name	OJ990410_25.9922.C15.o2.np	Method	AAT/NAP
Start	2245	End	3005
GI	4680179	Score	661
Exons	2245..3005		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10615	Seq. ID	OJ990410_25.9922.C15
Gene No.	22519	Strand	+
Start	1245	End	3005
Name	OJ990410_25.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	2466	End	2822
GI	none	Score	287
Exons	2466..2822, 2468..2644, 2517..2810, 2672..2821		

Seq. No.	10615	Seq. ID	OJ990410_25.9922.C15
Gene No.	22519	Strand	+
Start	1245	End	3005
Name	OJ990410_25.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	2703	End	3005
GI	none	Score	231
Exons	2703..3005, 2729..2833, 2921..3001		

Seq. No.	10616	Seq. ID	OJ990410_25.9922.C16
Gene No.	22520	Strand	+
Start	1	End	619
Name	OJ990410_25.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	305
GI	5902444	Score	334
Exons	1..305		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10616	Seq. ID	OJ990410_25.9922.C16
Gene No.	22520	Strand	+
Start	1	End	619
Name	OJ990410_25.9922.C16.o1.gs	Method	GENSCAN
Start	27	End	599
GI	none	Score	.49
Exons	27..183, 310..599		

Seq. No.	10616	Seq. ID	OJ990410_25.9922.C16
Gene No.	22520	Strand	+
Start	1	End	619
Name	OJ990410_25.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	289	End	618
GI	none	Score	49
Exons	289..405, 305..445, 306..443, 306..446, 448..618, 475..618		

Seq. No.	10616	Seq. ID	OJ990410_25.9922.C16
Gene No.	22520	Strand	+

Start	1	End	619
Name	OJ990410_25.9922.C16.o2.np	Method	AAT/NAP
Start	372	End	619
GI	5902445	Score	292
Exons	372..619		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10617	Seq. ID	OJ990410_25.9922.C17
Gene No.	22521	Strand	+
Start	1202	End	1752
Name	OJ990410_25.9922.C17.o1.gs	Method	GENSCAN
Start	1202	End	1752
GI	none	Score	.5
Exons	1202..1278, 1638..1752		

Seq. No.	10617	Seq. ID	OJ990410_25.9922.C17
Gene No.	22522	Strand	-
Start	667	End	1884
Name	OJ990410_25.9922.C17.o1.np	Method	AAT/NAP
Start	667	End	1884
GI	4680186	Score	139
Exons	667..853, 1839..1884		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22523	Strand	+
Start	1	End	188
Name	OJ990410_25.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	188
GI	5902446	Score	276
Exons	1..188		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22524	Strand	+
Start	89	End	191
Name	OJ990410_25.9922.C18.o1.gs	Method	GENSCAN
Start	89	End	191
GI	none	Score	.58
Exons	89..191		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22525	Strand	+
Start	6571	End	12219
Name	OJ990410_25.9922.C18.o3.np	Method	AAT/NAP
Start	6571	End	9538
GI	4680186	Score	184
Exons	6571..6623, 7964..8125, 8670..8805, 9491..9538		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22525	Strand	+
Start	6571	End	12219
Name	OJ990410_25.9922.C18.o4.gs	Method	GENSCAN
Start	7166	End	11617
GI	none	Score	.63
Exons	7166..7174, 7231..7403, 7952..8152, 8426..8529, 8687..8744,		

9050..9322, 9896..9977, 10092..10195, 10371..10476,
10606..10862, 10903..11153, 11408..11617

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22525	Strand	+
Start	6571	End	12219
Name	OJ990410_25.9922.C18.o4.np	Method	AAT/NAP
Start	8799	End	12167
GI	6069653	Score	1137
Exons	8799..8819, 10098..10883, 11000..11134, 11208..12167		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22525	Strand	+
Start	6571	End	12219
Name	OJ990410_25.9922.C18.o5.np	Method	AAT/NAP
Start	10178	End	12219
GI	6907086	Score	240
Exons	10178..10918, 11149..11465, 11807..12066, 12125..12219		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o2.gs	Method	GENSCAN
Start	508	End	1077
GI	none	Score	.84
Exons	508..1077		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o4.tw	Method	TBLASTX:Wheat
Start	520	End	1134
GI	none	Score	80
Exons	520..657, 643..801, 856..1134, 872..973, 1025..1114		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o2.np	Method	AAT/NAP
Start	544	End	6598
GI	5922631	Score	6586
Exons	544..3049, 3657..4581, 4708..4859, 4902..5473, 5519..5721, 5971..6215, 6474..6598		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o4.tm	Method	TBLASTX:Maize

Start	559	End	792
GI	none	Score	101
Exons	559..660, 560..661, 640..792, 641..700		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o7.tm	Method	TBLASTX:Maize
Start	904	End	1173
GI	none	Score	57
Exons	904..990, 1000..1083, 1013..1087, 1070..1168, 1078..1173		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o3.gs	Method	GENSCAN
Start	1166	End	6598
GI	none	Score	.77
Exons	1166..2626, 2748..3227, 3295..3568, 3744..5202, 5257..6598		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	1250	End	1637
GI	none	Score	109
Exons	1250..1441, 1250..1636, 1326..1637		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	1280	End	1643
GI	none	Score	67
Exons	1280..1327, 1281..1328, 1299..1622, 1319..1642, 1332..1643		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o8.tw	Method	TBLASTX:Wheat
Start	1778	End	2095
GI	none	Score	84
Exons	1778..2095, 1998..2087		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o5.tm	Method	TBLASTX:Maize
Start	1871	End	2125
GI	none	Score	193
Exons	1871..2125		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	1998	End	2386

GI	none	Score	157
Exons	1998..2378, 2000..2242, 2282..2386		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o3.tw	Method	TBLASTX:Wheat
Start	2096	End	2504
GI	none	Score	127
Exons	2096..2242, 2097..2243, 2259..2504, 2273..2503		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o7.tw	Method	TBLASTX:Wheat
Start	2513	End	2841
GI	none	Score	140
Exons	2513..2767, 2514..2768, 2751..2840, 2752..2841		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o3.tm	Method	TBLASTX:Maize
Start	2537	End	2886
GI	none	Score	79
Exons	2537..2737, 2538..2669, 2672..2803, 2673..2792, 2721..2885, 2758..2886		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o2.ts	Method	TBLASTX:Soybean
Start	2612	End	2990
GI	none	Score	36
Exons	2612..2860, 2646..2786, 2763..2873, 2877..2990, 2878..2973		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o6.tw	Method	TBLASTX:Wheat
Start	2877	End	3183
GI	none	Score	94
Exons	2877..3179, 2877..3182, 2878..3183		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o6.tm	Method	TBLASTX:Maize
Start	2892	End	3149
GI	none	Score	191
Exons	2892..3149		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o2.tm	Method	TBLASTX:Maize
Start	3153	End	3510

GI	none	Score	71
Exons	3153..3254, 3163..3258, 3254..3469, 3268..3510		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	3183	End	3640
GI	none	Score	170
Exons	3183..3257, 3252..3605, 3253..3612, 3268..3639, 3269..3640		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o5.tw	Method	TBLASTX:Wheat
Start	3861	End	4318
GI	none	Score	148
Exons	3861..4097, 3863..4093, 4142..4318		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o8.tm	Method	TBLASTX:Maize
Start	3863	End	4010
GI	none	Score	114
Exons	3863..4009, 3864..4010		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o9.tw	Method	TBLASTX:Wheat
Start	4895	End	5297
GI	none	Score	113
Exons	4895..5296, 5028..5297		

Seq. No.	10618	Seq. ID	OJ990410_25.9922.C18
Gene No.	22526	Strand	-
Start	508	End	6795
Name	OJ990410_25.9922.C18.o1.gp	Method	AAT/GAP
Start	6334	End	6795
GI	uC-osflcyp177g01a1	Score	248
Exons	6334..6363, 6640..6795		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	10619	Seq. ID	OJ990410_25.9922.C19
Gene No.	22527	Strand	+
Start	77	End	769
Name	OJ990410_25.9922.C19.o1.gs	Method	GENSCAN
Start	77	End	769
GI	none	Score	.77
Exons	77..468, 600..769		

Seq. No.	10619	Seq. ID	OJ990410_25.9922.C19
Gene No.	22528	Strand	-
Start	1	End	798
Name	OJ990410_25.9922.C19.o1.np	Method	AAT/NAP

Start	1	End	798
GI	5852180	Score	651
Exons	1..25, 208..623, 675..798		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10620	Seq. ID	OJ990410_25.9922.C20
Gene No.	22529	Strand	+
Start	371	End	883
Name	OJ990410_25.9922.C20.o1.gs	Method	GENSCAN
Start	371	End	883
GI	none	Score	.88
Exons	371..509, 768..883		

Seq. No.	10621	Seq. ID	OJ990410_25.9922.C21
Gene No.	22530	Strand	-
Start	1	End	760
Name	OJ990410_25.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	760
GI	6907087	Score	637
Exons	1..32, 163..760		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10621	Seq. ID	OJ990410_25.9922.C21
Gene No.	22530	Strand	-
Start	1	End	760
Name	OJ990410_25.9922.C21.o1.gs	Method	GENSCAN
Start	166	End	666
GI	none	Score	.82
Exons	166..666		

Seq. No.	10622	Seq. ID	OJ990410_25.9922.C23
Gene No.	22531	Strand	+
Start	1	End	668
Name	OJ990410_25.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	668
GI	106322	Score	451
Exons	1..668		
GI Descrip.	hypothetical protein (L1H 3' region) - human		

Seq. No.	10623	Seq. ID	OJ990410_25.9922.C25
Gene No.	22532	Strand	+
Start	1	End	400
Name	OJ990410_25.9922.C25.o1.gp	Method	AAT/GAP
Start	1	End	400
GI	61605_1.R1084	Score	469
Exons	1..18, 127..400		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10624	Seq. ID	OJ990410_25.9922.C26
Gene No.	22533	Strand	+
Start	51	End	767
Name	OJ990410_25.9922.C26.o1.gs	Method	GENSCAN
Start	51	End	767
GI	none	Score	.99

Exons	51..119, 321..767		
Seq. No.	10625	Seq. ID	OJ990410_25.9922.C27
Gene No.	22534	Strand	-
Start	1	End	1016
Name	OJ990410_25.9922.C27.o1.np	Method	AAT/NAP
Start	1	End	1016
GI	4234852	Score	1232
Exons	1..1016		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	10625	Seq. ID	OJ990410_25.9922.C27
Gene No.	22534	Strand	-
Start	1	End	1016
Name	OJ990410_25.9922.C27.o1.tm	Method	TBLASTX:Maize
Start	2	End	563
GI	none	Score	111
Exons	2..172, 207..398, 381..563		
Seq. No.	10625	Seq. ID	OJ990410_25.9922.C27
Gene No.	22534	Strand	-
Start	1	End	1016
Name	OJ990410_25.9922.C27.o2.tw	Method	TBLASTX:Wheat
Start	2	End	393
GI	none	Score	101
Exons	2..208, 216..389, 217..393		
Seq. No.	10625	Seq. ID	OJ990410_25.9922.C27
Gene No.	22534	Strand	-
Start	1	End	1016
Name	OJ990410_25.9922.C27.o1.ts	Method	TBLASTX:Soybean
Start	2	End	563
GI	none	Score	60
Exons	2..187, 216..368, 271..372, 381..563		
Seq. No.	10625	Seq. ID	OJ990410_25.9922.C27
Gene No.	22534	Strand	-
Start	1	End	1016
Name	OJ990410_25.9922.C27.o1.tw	Method	TBLASTX:Wheat
Start	549	End	1000
GI	none	Score	105
Exons	549..623, 607..915, 613..999, 647..1000		
Seq. No.	10626	Seq. ID	OJ990410_25.9922.C28
Gene No.	22535	Strand	-
Start	1	End	2103
Name	OJ990410_25.9922.C28.o1.np	Method	AAT/NAP
Start	1	End	2092
GI	4234852	Score	808
Exons	1..46, 629..1882, 1916..2092		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	10626	Seq. ID	OJ990410_25.9922.C28
Gene No.	22535	Strand	-
Start	1	End	2103
Name	OJ990410_25.9922.C28.o1.tm	Method	TBLASTX:Maize
Start	1059	End	1999

GI	none	Score	72
Exons	1059..1139, 1078..1140, 1246..1320, 1397..1675, 1421..1999, 1431..1877		

Seq. No.	10626	Seq. ID	OJ990410_25.9922.C28
Gene No.	22535	Strand	-
Start	1	End	2103
Name	OJ990410_25.9922.C28.o2.gs	Method	GENSCAN
Start	1274	End	2086
GI	none	Score	.67
Exons	1274..2086		

Seq. No.	10626	Seq. ID	OJ990410_25.9922.C28
Gene No.	22535	Strand	-
Start	1	End	2103
Name	OJ990410_25.9922.C28.o1.gp	Method	AAT/GAP
Start	1990	End	2103
GI	43117_2.R1084	Score	194
Exons	1990..2103		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 3.0e-24 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	10627	Seq. ID	OJ990410_25.9922.C29
Gene No.	22536	Strand	-
Start	1	End	217
Name	OJ990410_25.9922.C29.o1.np	Method	AAT/NAP
Start	1	End	217
GI	166211	Score	334
Exons	1..217		
GI Descrip.	(J02448) protein IV [Bacteriophage f1]		

Seq. No.	10628	Seq. ID	OJ990410_25.9922.C30
Gene No.	22537	Strand	+
Start	544	End	625
Name	OJ990410_25.9922.C30.o1.gs	Method	GENSCAN
Start	544	End	625
GI	none	Score	.57
Exons	544..625		

Seq. No.	10629	Seq. ID	OJ990410_25.9922.C31
Gene No.	22538	Strand	+
Start	2668	End	5852
Name	OJ990410_25.9922.C31.o1.gs	Method	GENSCAN
Start	2668	End	5852
GI	none	Score	.4
Exons	2668..2930, 3022..3163, 3672..4368, 4438..4610, 4722..5225, 5436..5852		

Seq. No.	10629	Seq. ID	OJ990410_25.9922.C31
Gene No.	22539	Strand	-
Start	6249	End	6837
Name	OJ990410_25.9922.C31.o2.gs	Method	GENSCAN
Start	6249	End	6837
GI	none	Score	.4
Exons	6249..6363, 6506..6606, 6639..6837		

Seq. No.	10630	Seq. ID	OJ990430_24.9924.C1

Gene No.	22540	Strand	+
Start	1	End	4501
Name	OJ990430_24.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	4501
GI	4234852	Score	835
Exons	1..27, 3600..4501		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	10630	Seq. ID	OJ990430_24.9924.C1
Gene No.	22541	Strand	+
Start	4841	End	9396
Name	OJ990430_24.9924.C1.o2.np	Method	AAT/NAP
Start	4841	End	9396
GI	2135765	Score	72
Exons	4841..5018, 5263..5531, 8652..9176, 9273..9396		
GI Descrip.	mucin 2 precursor, intestinal - human (fragments)		

Seq. No.	10630	Seq. ID	OJ990430_24.9924.C1
Gene No.	22542	Strand	-
Start	8567	End	9800
Name	OJ990430_24.9924.C1.o3.gs	Method	GENSCAN
Start	8567	End	9800
GI	none	Score	.67
Exons	8567..8797, 9080..9234, 9752..9800		

Seq. No.	10631	Seq. ID	OJ990430_24.9924.C2
Gene No.	22543	Strand	-
Start	1296	End	2147
Name	OJ990430_24.9924.C2.o1.gp	Method	AAT/GAP
Start	1099	End	2147
GI	72738_1.R1084	Score	1382
Exons	1099..1521, 1731..1792, 1909..2147		
GI Descrip.	'1877026/dbj|BAA11351| 3.0e-42 (D78336) ribosomal protein S19 [Oryza sativa]'		

Seq. No.	10631	Seq. ID	OJ990430_24.9924.C2
Gene No.	22543	Strand	-
Start	1296	End	2147
Name	OJ990430_24.9924.C2.o1.gs	Method	GENSCAN
Start	1296	End	2002
GI	none	Score	.86
Exons	1296..1403, 1439..1521, 1909..2002		

Seq. No.	10631	Seq. ID	OJ990430_24.9924.C2
Gene No.	22544	Strand	-
Start	2389	End	8146
Name	OJ990430_24.9924.C2.o2.gs	Method	GENSCAN
Start	2389	End	6523
GI	none	Score	.6
Exons	2389..2642, 2749..2826, 2940..3047, 3967..4076, 4586..4694, 6194..6523		

Seq. No.	10631	Seq. ID	OJ990430_24.9924.C2
Gene No.	22544	Strand	-
Start	2389	End	8146
Name	OJ990430_24.9924.C2.o1.np	Method	AAT/NAP
Start	2619	End	8146

GI	1076802	Score	65
Exons	2619..2735, 2913..2972, 5885..6068, 8037..8146		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22545	Strand	+
Start	339	End	6567
Name	OJ990430_24.9924.C3.o1.gs	Method	GENSCAN
Start	339	End	6567
GI	none	Score	.53
Exons	339..545, 599..1293, 1311..1447, 1556..1748, 1786..1856, 1862..2361, 2398..2712, 2739..2951, 3030..3212, 3296..6216, 6429..6567		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22545	Strand	+
Start	339	End	6567
Name	OJ990430_24.9924.C3.o1.np	Method	AAT/NAP
Start	1122	End	6564
GI	6498441	Score	7068
Exons	1122..2173, 2504..2966, 3030..3405, 3589..3723, 3898..4621, 4793..6190, 6284..6564		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22546	Strand	+
Start	11600	End	12226
Name	OJ990430_24.9924.C3.o3.gs	Method	GENSCAN
Start	11600	End	12226
GI	none	Score	.43
Exons	11600..11660, 11985..12053, 12078..12226		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22547	Strand	-
Start	7187	End	10432
Name	OJ990430_24.9924.C3.o2.gs	Method	GENSCAN
Start	7187	End	10432
GI	none	Score	.48
Exons	7187..7546, 7648..9067, 9171..10432		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22547	Strand	-
Start	7187	End	10432
Name	OJ990430_24.9924.C3.o2.np	Method	AAT/NAP
Start	7190	End	10432
GI	6907089	Score	4277
Exons	7190..9067, 9171..10432		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22548	Strand	-
Start	14923	End	16137
Name	OJ990430_24.9924.C3.o5.gs	Method	GENSCAN

Start	14923	End	16137
GI	none	Score	.78
Exons	14923..14987, 15862..15960, 16053..16137		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o4.tm	Method	TBLASTX:Maize
Start	1300	End	1548
GI	none	Score	190
Exons	1300..1548, 1302..1547		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o6.tw	Method	TBLASTX:Wheat
Start	1312	End	1650
GI	none	Score	117
Exons	1312..1410, 1329..1409, 1377..1616, 1393..1650		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o4.tw	Method	TBLASTX:Wheat
Start	2388	End	2873
GI	none	Score	282
Exons	2388..2561, 2389..2727, 2401..2721, 2583..2738, 2718..2873		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	3038	End	3502
GI	none	Score	226
Exons	3038..3235, 3039..3245, 3240..3482, 3247..3498, 3250..3495, 3251..3502		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o3.tm	Method	TBLASTX:Maize
Start	3168	End	3526
GI	none	Score	55
Exons	3168..3248, 3247..3516, 3248..3526, 3410..3526		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	3553	End	3937
GI	none	Score	358
Exons	3553..3918, 3554..3937		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o2.tw	Method	TBLASTX:Wheat

Start	3610	End	4035
GI	none	Score	493
Exons	3610..4035, 3611..4033		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	3689	End	4060
GI	none	Score	275
Exons	3689..4060, 3706..3849		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o5.tw	Method	TBLASTX:Wheat
Start	4469	End	4927
GI	none	Score	236
Exons	4469..4690, 4493..4717, 4558..4734, 4778..4927, 4787..4912, 4789..4926		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o2.ts	Method	TBLASTX:Soybean
Start	4616	End	5182
GI	5666795	Score	68
Exons	4616..4714, 4790..4927, 4982..5182		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o8.tw	Method	TBLASTX:Wheat
Start	4930	End	5242
GI	none	Score	190
Exons	4930..5118, 4943..5131, 4982..5242		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	5435	End	5767
GI	none	Score	374
Exons	5435..5758, 5464..5745, 5555..5767		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o3.tw	Method	TBLASTX:Wheat
Start	5572	End	5973
GI	none	Score	378
Exons	5572..5973, 5573..5953		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130

Name	OJ990430_24.9924.C3.o7.tw	Method	TBLASTX:Wheat
Start	5978	End	6555
GI	none	Score	246
Exons	5978..6238, 5980..6243, 6002..6370, 6429..6551, 6430..6555		

Seq. No.	10632	Seq. ID	OJ990430_24.9924.C3
Gene No.	22549	Strand	-
Start	17245	End	19130
Name	OJ990430_24.9924.C3.o6.gs	Method	GENSCAN
Start	17245	End	19130
GI	none	Score	.58
Exons	17245..17338, 18179..18214, 18994..19130		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22550	Strand	+
Start	9193	End	12447
Name	OJ990430_24.9924.C4.o1.gp	Method	AAT/GAP
Start	9193	End	12447
GI	16970_1.R1084	Score	1571
Exons	9193..9279, 10538..10575, 10769..10844, 10932..11033, 11519..11667, 12042..12447		
GI Descrip.	'1710521/sp|P50888|RL24_HORVU 4.0e-58 60S RIBOSOMAL PROTEIN L24 >gi_1154859_emb_CAA63960_ (X94296) L24 ribosomal protein [Hordeum vulgare]'		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22550	Strand	+
Start	9193	End	12447
Name	OJ990430_24.9924.C4.o1.np	Method	AAT/NAP
Start	10758	End	12186
GI	1710521	Score	660
Exons	10758..10844, 10932..11033, 11519..11667, 12042..12186		
GI Descrip.	60S RIBOSOMAL PROTEIN L24 gi|1154859|emb|CAA63960| (X94296) L24 ribosomal protein [Hordeum vulgare]		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22551	Strand	+
Start	14485	End	20646
Name	OJ990430_24.9924.C4.o2.np	Method	AAT/NAP
Start	14327	End	20322
GI	3377941	Score	220
Exons	14327..14499, 17437..17537, 18248..18470, 18500..18645, 19194..19309, 19489..19655, 20278..20322		
GI Descrip.	(AL021960) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22551	Strand	+
Start	14485	End	20646
Name	OJ990430_24.9924.C4.o3.gs	Method	GENSCAN
Start	14485	End	20646
GI	none	Score	.95
Exons	14485..14834, 14919..15050, 15309..15648, 15752..15790, 17088..17342, 17431..17537, 19174..19309, 19489..19654, 19838..19962, 20227..20646		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22551	Strand	+

Start	14485	End	20646
Name	OJ990430_24.9924.C4.o3.np	Method	AAT/NAP
Start	17435	End	20616
GI	3377941	Score	212
Exons	17435..17537, 18248..18470, 18500..18645, 19194..19309, 19489..19646, 20093..20214, 20284..20388, 20426..20616		
GI Descrip.	(AL021960) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22552	Strand	+
Start	21235	End	21330
Name	OJ990430_24.9924.C4.o2.gp	Method	AAT/GAP
Start	21235	End	21330
GI	uC-osflcyp022c06b2	Score	142
Exons	21235..21330		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22553	Strand	-
Start	21867	End	22837
Name	OJ990430_24.9924.C4.o4.gs	Method	GENSCAN
Start	21867	End	22837
GI	none	Score	.45
Exons	21867..22030, 22750..22837		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22554	Strand	-
Start	24091	End	28008
Name	OJ990430_24.9924.C4.o5.gs	Method	GENSCAN
Start	24091	End	28008
GI	none	Score	.88
Exons	24091..24666, 24790..25199, 26050..26485, 27970..28008		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	10766	End	11668
GI	none	Score	141
Exons	10766..10846, 10767..10859, 10929..11033, 10929..11033, 10930..11034, 10931..11035, 10949..11047, 11519..11668, 11530..11631		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	10766	End	11668
GI	none	Score	134
Exons	10766..10846, 10767..10856, 10929..11033, 10931..11035, 11519..11668, 11530..11631		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o1.tm	Method	TBLASTX:Maize

Start	10766	End	12191
GI	none	Score	79
Exons	10766..10846, 10767..10856, 10768..10845, 10769..10846, 10928..11035, 10929..11048, 10929..11033, 10930..11034, 10931..11047, 11516..11593, 11517..11591, 11518..11631, 11518..11631, 11519..11668, 12042..12071, 12102..12191, 12104..12190		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	10767	End	11584
GI	none	Score	136
Exons	10767..10856, 10769..10846, 10928..11047, 10929..11048, 11517..11582, 11518..11583, 11519..11584		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o3.tm	Method	TBLASTX:Maize
Start	27127	End	27603
GI	none	Score	193
Exons	27127..27378, 27128..27412, 27415..27498, 27556..27603		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o2.tw	Method	TBLASTX:Wheat
Start	27415	End	27690
GI	none	Score	102
Exons	27415..27564, 27556..27639, 27643..27690		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o6.gs	Method	GENSCAN
Start	28780	End	31560
GI	none	Score	.78
Exons	28780..29018, 29075..29126, 29232..29610, 29700..29801, 30155..30207, 30695..30839, 31061..31113, 31222..31560		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o3.gp	Method	AAT/GAP
Start	29941	End	30729
GI	77266_1.R1084	Score	814
Exons	29941..30207, 30315..30384, 30502..30612, 30695..30729		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o4.np	Method	AAT/NAP

Start	30520	End	31638
GI	6856203	Score	193
Exons	30520..30609, 30695..30892, 31061..31145, 31248..31638		
GI Descrip.	(AF180473) Not2p [Homo sapiens]		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o2.ts	Method	TBLASTX:Soybean
Start	30788	End	31465
GI	none	Score	177
Exons	30788..30829, 30948..30992, 31063..31104, 31217..31459, 31223..31465, 31225..31464		

Seq. No.	10633	Seq. ID	OJ990430_24.9924.C4
Gene No.	22555	Strand	-
Start	28780	End	31638
Name	OJ990430_24.9924.C4.o2.tm	Method	TBLASTX:Maize
Start	31061	End	31519
GI	none	Score	46
Exons	31061..31102, 31062..31097, 31222..31446, 31223..31447, 31223..31459, 31278..31460, 31282..31485, 31414..31518, 31436..31519, 31440..31502		

Seq. No.	10634	Seq. ID	OJ990430_24.9924.C5
Gene No.	22556	Strand	+
Start	143	End	3588
Name	OJ990430_24.9924.C5.o1.gs	Method	GENSCAN
Start	143	End	3588
GI	none	Score	.57
Exons	143..242, 893..1032, 1713..1925, 3189..3454, 3553..3588		

Seq. No.	10634	Seq. ID	OJ990430_24.9924.C5
Gene No.	22557	Strand	-
Start	1595	End	2365
Name	OJ990430_24.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	12	End	2346
GI	none	Score	69
Exons	12..113, 270..305, 292..345, 295..348, 296..346, 432..509, 432..503, 437..505, 439..516, 639..707, 644..709, 645..704, 655..732, 804..1019, 815..1018, 820..1020, 820..1020, 1609..1899, 1620..1895, 1621..1899, 1967..2131, 1982..2161, 1995..2135, 2238..2345, 2239..2346		

Seq. No.	10634	Seq. ID	OJ990430_24.9924.C5
Gene No.	22557	Strand	-
Start	1595	End	2365
Name	OJ990430_24.9924.C5.o1.gp	Method	AAT/GAP
Start	1595	End	2365
GI	3761975	Score	770
Exons	1595..1748, 1839..1902, 1985..2106, 2240..2365		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22558	Strand	+
Start	4454	End	8391
Name	OJ990430_24.9924.C6.o1.gs	Method	GENSCAN
Start	4454	End	8391

GI	none	Score	.9
Exons	4454..4536, 5895..5932, 6027..6076, 6172..6330, 7320..7371, 7455..7521, 8301..8391		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22558	Strand	+
Start	4454	End	8391
Name	OJ990430_24.9924.C6.o2.gp	Method	AAT/GAP
Start	5942	End	6263
GI	LIB3433-046-P1-K1-C9	Score	339
Exons	5942..6052, 6172..6263		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22559	Strand	+
Start	11158	End	16851
Name	OJ990430_24.9924.C6.o3.gp	Method	AAT/GAP
Start	11054	End	11248
GI	none	Score	285
Exons	11054..11248		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22559	Strand	+
Start	11158	End	16851
Name	OJ990430_24.9924.C6.o2.gs	Method	GENSCAN
Start	11158	End	16851
GI	none	Score	.88
Exons	11158..11245, 11395..11515, 11610..11681, 12439..12510, 12609..12770, 13200..13271, 13346..13414, 13821..13952, 14061..14539, 14822..14980, 15157..15516, 15641..15873, 16327..16851		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22559	Strand	+
Start	11158	End	16851
Name	OJ990430_24.9924.C6.o1.np	Method	AAT/NAP
Start	12277	End	16810
GI	6729510	Score	706
Exons	12277..12341, 12609..12753, 12878..12948, 13029..13100, 13200..13271, 13346..13414, 13821..13982, 14069..14664, 15199..15534, 15635..15873, 16327..16810		
GI Descrip.	(AL132966) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22559	Strand	+
Start	11158	End	16851
Name	OJ990430_24.9924.C6.o5.gp	Method	AAT/GAP
Start	13902	End	14465
GI	2427735	Score	805
Exons	13902..13952, 14061..14465		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22560	Strand	-
Start	12570	End	12992
Name	OJ990430_24.9924.C6.o4.gp	Method	AAT/GAP

Start	12570	End	12992
GI	none	Score	648
Exons	12570..12750, 12838..12992		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22561	Strand	-
Start	16555	End	16991
Name	OJ990430_24.9924.C6.o6.gp	Method	AAT/GAP
Start	16555	End	16991
GI	none	Score	862
Exons	16555..16991		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22562	Strand	-
Start	18332	End	18909
Name	OJ990430_24.9924.C6.o3.gs	Method	GENSCAN
Start	18332	End	18909
GI	none	Score	.58
Exons	18332..18447, 18575..18835, 18879..18909		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22563	Strand	-
Start	19965	End	26466
Name	OJ990430_24.9924.C6.o7.gp	Method	AAT/GAP
Start	19649	End	21464
GI	LIB3431-045-P1-N1-A10	Score	825
Exons	19649..19758, 21121..21464		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22563	Strand	-
Start	19965	End	26466
Name	OJ990430_24.9924.C6.o4.gs	Method	GENSCAN
Start	19965	End	21062
GI	none	Score	.45
Exons	19965..20123, 20575..20652, 20719..20877, 21060..21062		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22563	Strand	-
Start	19965	End	26466
Name	OJ990430_24.9924.C6.o5.gs	Method	GENSCAN
Start	21289	End	25849
GI	none	Score	.52
Exons	21289..21449, 21585..21618, 21685..21802, 21807..21854, 21918..22049, 22312..22393, 22398..22545, 22638..22896, 22973..23271, 23363..23488, 23726..23855, 24066..24271, 24437..25849		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22563	Strand	-
Start	19965	End	26466
Name	OJ990430_24.9924.C6.o2.np	Method	AAT/NAP
Start	21568	End	25396
GI	5441880	Score	3251
Exons	21568..21802, 21918..22049, 22296..22393, 22638..22896, 22973..23916, 24257..25396		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22563	Strand	-
Start	19965	End	26466
Name	OJ990430_24.9924.C6.o8.gp	Method	AAT/GAP
Start	22646	End	23145
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	22646..22896, 22973..23145		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22563	Strand	-
Start	19965	End	26466
Name	OJ990430_24.9924.C6.o9.gp	Method	AAT/GAP
Start	24361	End	24792
GI	5701669	Score	849
Exons	24361..24792		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22563	Strand	-
Start	19965	End	26466
Name	OJ990430_24.9924.C6.o3.np	Method	AAT/NAP
Start	25409	End	26466
GI	6721543	Score	171
Exons	25409..25525, 26338..26466		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22563	Strand	-
Start	19965	End	26466
Name	OJ990430_24.9924.C6.o10.gp	Method	AAT/GAP
Start	26302	End	26452
GI	7406_1.R1084	Score	230
Exons	26302..26452		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22564	Strand	-
Start	27646	End	28192
Name	OJ990430_24.9924.C6.o3.ts	Method	TBLASTX:Soybean
Start	11403	End	27083
GI	none	Score	127
Exons	11403..11516, 12268..12357, 12443..12511, 12589..12723, 12609..12722, 12622..12753, 12628..12753, 12735..12803, 12736..12768, 12916..12945, 13030..13101, 13201..13272, 26962..27075, 26970..27083		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6

Gene No.	22564	Strand	-
Start	27646	End	28192
Name	OJ990430_24.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	12613	End	16446
GI	none	Score	77
Exons	12613..12753, 12613..12717, 15213..15257, 15273..15314, 15318..15527, 15643..15873, 16326..16433, 16327..16446		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22564	Strand	-
Start	27646	End	28192
Name	OJ990430_24.9924.C6.o3.tw	Method	TBLASTX:Wheat
Start	12637	End	13574
GI	none	Score	59
Exons	12637..12717, 12688..12768, 12690..12800, 12702..12797, 12873..12947, 12877..12948, 12878..12949, 12897..12962, 13030..13101, 13201..13236, 13201..13236, 13248..13274, 13345..13413, 13346..13414, 13346..13426, 13348..13440, 13353..13439, 13475..13558, 13500..13574		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22564	Strand	-
Start	27646	End	28192
Name	OJ990430_24.9924.C6.o2.ts	Method	TBLASTX:Soybean
Start	14098	End	14526
GI	none	Score	360
Exons	14098..14526, 14127..14522		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22564	Strand	-
Start	27646	End	28192
Name	OJ990430_24.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	15156	End	15849
GI	none	Score	409
Exons	15156..15518, 15162..15506, 15179..15520, 15645..15842, 15646..15849		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22564	Strand	-
Start	27646	End	28192
Name	OJ990430_24.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	15300	End	16455
GI	none	Score	257
Exons	15300..15524, 15305..15523, 15643..15873, 15645..15869, 16326..16433, 16327..16455		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22564	Strand	-
Start	27646	End	28192
Name	OJ990430_24.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	15320	End	15765
GI	none	Score	273
Exons	15320..15526, 15321..15527, 15598..15735, 15624..15761, 15646..15765		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22564	Strand	-

Start	27646	End	28192
Name	OJ990430_24.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	16326	End	16623
GI	none	Score	242
Exons	16326..16478, 16327..16500, 16498..16623, 16503..16622		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22564	Strand	-
Start	27646	End	28192
Name	OJ990430_24.9924.C6.o2.tw	Method	TBLASTX:Wheat
Start	24161	End	24541
GI	none	Score	109
Exons	24161..24337, 24162..24341, 24335..24532, 24347..24541		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22564	Strand	-
Start	27646	End	28192
Name	OJ990430_24.9924.C6.o3.tm	Method	TBLASTX:Maize
Start	24374	End	24835
GI	none	Score	151
Exons	24374..24673, 24435..24656, 24707..24835, 24729..24827		

Seq. No.	10635	Seq. ID	OJ990430_24.9924.C6
Gene No.	22564	Strand	-
Start	27646	End	28192
Name	OJ990430_24.9924.C6.o4.np	Method	AAT/NAP
Start	27646	End	28192
GI	5042454	Score	176
Exons	27646..27706, 28026..28192		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22565	Strand	+
Start	1035	End	1288
Name	OJ990430_24.9924.C7.o1.gs	Method	GENSCAN
Start	1035	End	1288
GI	none	Score	.7
Exons	1035..1288		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22566	Strand	+
Start	2003	End	4236
Name	OJ990430_24.9924.C7.o2.gs	Method	GENSCAN
Start	2003	End	3421
GI	none	Score	.87
Exons	2003..2641, 2648..3421		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22566	Strand	+
Start	2003	End	4236
Name	OJ990430_24.9924.C7.o1.np	Method	AAT/NAP
Start	2015	End	4236
GI	99809	Score	1744
Exons	2015..3368, 3933..4236		
GI Descrip.	gene Bp10 protein - rape gi|17795|emb|CAA47177| (X66608) Bplo [Brassica napus]		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22566	Strand	+
Start	2003	End	4236
Name	OJ990430_24.9924.C7.o3.gs	Method	GENSCAN
Start	3934	End	4236
GI	none	Score	.71
Exons	3934..4236		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22567	Strand	+
Start	6046	End	6855
Name	OJ990430_24.9924.C7.o4.gs	Method	GENSCAN
Start	6046	End	6855
GI	none	Score	.64
Exons	6046..6048, 6354..6466, 6542..6672, 6782..6855		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22568	Strand	-
Start	3935	End	4501
Name	OJ990430_24.9924.C7.o1.gp	Method	AAT/GAP
Start	3935	End	4501
GI	36697_1.R1084	Score	1090
Exons	3935..4501		
GI Descrip.	'128592/sp|P29162|NTP3_TOBAC 2.0e-35 POLLEN-SPECIFIC PROTEIN NTP303 PRECURSOR >gi_82190_pir__S22495 pollen-specific protein precursor - common tobacco >gi_19902_emb_CAA43454_ (X61146) pollen specific protein [Nicotiana tabacum]'		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22569	Strand	-
Start	5957	End	8140
Name	OJ990430_24.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	2078	End	4203
GI	none	Score	445
Exons	2078..2596, 2087..2329, 2107..2526, 2629..2871, 2630..2911, 2966..3187, 2995..3183, 3101..3190, 3239..3352, 3241..3369, 3936..4202, 3937..4203		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22569	Strand	-
Start	5957	End	8140
Name	OJ990430_24.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	2084	End	3046
GI	none	Score	433
Exons	2084..2623, 2089..2406, 2449..2607, 2632..2871, 2651..2911, 2966..3007, 3026..3046		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22569	Strand	-
Start	5957	End	8140
Name	OJ990430_24.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	2122	End	4244
GI	none	Score	435
Exons	2122..2478, 2123..2479, 2452..2919, 2462..2914, 2851..2919, 2953..3372, 2954..3355, 3933..4232, 3934..4233, 3978..4244		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7

Gene No.	22569	Strand	-
Start	5957	End	8140
Name	OJ990430_24.9924.C7.o2.tc	Method	TBLASTX:Cress
Start	3011	End	4224
GI	none	Score	348
Exons	3011..3355, 3047..3211, 3049..3360, 3939..4214, 3940..4224		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22569	Strand	-
Start	5957	End	8140
Name	OJ990430_24.9924.C7.o1.tw	Method	TBLASTX:Wheat
Start	3103	End	4065
GI	none	Score	317
Exons	3103..3372, 3104..3370, 3933..4064, 3934..4065		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22569	Strand	-
Start	5957	End	8140
Name	OJ990430_24.9924.C7.o2.np	Method	AAT/NAP
Start	5957	End	8002
GI	2224810	Score	91
Exons	5957..5976, 7697..8002		
GI Descrip.	(Z97022) cysteine proteinase [Hordeum vulgare]		

Seq. No.	10636	Seq. ID	OJ990430_24.9924.C7
Gene No.	22569	Strand	-
Start	5957	End	8140
Name	OJ990430_24.9924.C7.o5.gs	Method	GENSCAN
Start	7680	End	8140
GI	none	Score	.98
Exons	7680..8140		

Seq. No.	10637	Seq. ID	OJ990430_24.9924.C9
Gene No.	22570	Strand	+
Start	4	End	582
Name	OJ990430_24.9924.C9.o1.gs	Method	GENSCAN
Start	4	End	582
GI	none	Score	.97
Exons	4..56, 480..582		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22571	Strand	+
Start	676	End	6006
Name	OJ990430_24.9924.C10.o1.gs	Method	GENSCAN
Start	676	End	6006
GI	none	Score	.7
Exons	676..756, 1432..1905, 3389..3477, 3660..3798, 3890..3964, 4060..4181, 4295..4353, 4777..4836, 4930..5089, 5574..5667, 5929..6006		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22571	Strand	+
Start	676	End	6006
Name	OJ990430_24.9924.C10.o1.gp	Method	AAT/GAP
Start	1275	End	1382
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	1275..1382		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22571	Strand	+
Start	676	End	6006
Name	OJ990430_24.9924.C10.o2.np	Method	AAT/NAP
Start	3298	End	5076
GI	4538965	Score	426
Exons	3298..3477, 3660..3798, 3890..4076, 4270..4353, 4777..4836, 4930..5076		
GI Descrip.	(AL049488) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22572	Strand	+
Start	7316	End	10276
Name	OJ990430_24.9924.C10.o2.gs	Method	GENSCAN
Start	7316	End	10276
GI	none	Score	.74
Exons	7316..8594, 9895..10022, 10178..10276		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22572	Strand	+
Start	7316	End	10276
Name	OJ990430_24.9924.C10.o3.np	Method	AAT/NAP
Start	7585	End	8774
GI	6822068	Score	570
Exons	7585..8774		
GI Descrip.	(AL132957) SCARECROW1 [Arabidopsis thaliana]		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22573	Strand	-
Start	1	End	386
Name	OJ990430_24.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	386
GI	4680186	Score	177
Exons	1..386		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o3.tm	Method	TBLASTX:Maize
Start	3392	End	5046
GI	none	Score	82
Exons	3392..3478, 3658..3756, 3714..3800, 3786..3815, 3889..3963, 3890..3985, 4057..4182, 4060..4182, 4279..4401, 4777..4842, 4927..5046		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o3.tc	Method	TBLASTX:Cress
Start	7652	End	8765
GI	none	Score	72
Exons	7652..7771, 7778..7855, 7886..8017, 8237..8323, 8397..8462,		

8474..8551, 8475..8561, 8700..8765

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	9973	End	10283
GI	none	Score	102
Exons	9973..10269, 9975..10283		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o2.ts	Method	TBLASTX:Soybean
Start	9975	End	10259
GI	none	Score	83
Exons	9975..10259, 10063..10254		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	9978	End	10208
GI	none	Score	68
Exons	9978..10208, 10003..10152		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o4.np	Method	AAT/NAP
Start	9978	End	12376
GI	3786007	Score	1159
Exons	9978..10259, 10564..11109, 11196..11550, 12136..12376		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o2.tc	Method	TBLASTX:Cress
Start	9990	End	10217
GI	none	Score	44
Exons	9990..10217, 9991..10092, 10138..10215		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o3.gs	Method	GENSCAN
Start	10549	End	12311
GI	none	Score	.56
Exons	10549..11109, 11196..11550, 12136..12311		

Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	10552	End	11528
GI	none	Score	181

Exons	10552..10899, 10589..10936, 10903..11112, 10904..11092, 11181..11474, 11200..11427, 11325..11459, 11466..11528, 11484..11528		
Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	10681	End	11528
GI	none	Score	81
Exons	10681..10878, 10724..10852, 10987..11094, 11196..11333, 11328..11528		
Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	10681	End	11468
GI	none	Score	67
Exons	10681..10905, 10703..10840, 10987..11097, 11202..11297, 11319..11468		
Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o2.gp	Method	AAT/GAP
Start	11462	End	12376
GI	LIB3432-029-P1-K1-D2	Score	640
Exons	11462..11550, 12136..12376		
GI Descrip.	'3786007 8.0e-31 (AC005499) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	10638	Seq. ID	OJ990430_24.9924.C10
Gene No.	22574	Strand	-
Start	9978	End	12376
Name	OJ990430_24.9924.C10.o3.ts	Method	TBLASTX:Soybean
Start	12115	End	12315
GI	none	Score	145
Exons	12115..12315, 12141..12311		
Seq. No.	10639	Seq. ID	OJ990430_24.9924.C11
Gene No.	22575	Strand	-
Start	1	End	90
Name	OJ990430_24.9924.C11.o1.gp	Method	AAT/GAP
Start	1	End	90
GI	uC-osflcyp022c06b2	Score	157
Exons	1..90		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	10640	Seq. ID	OJ990410_24.9923.C1
Gene No.	22576	Strand	
Start	1	End	305
Name	OJ990410_24.9923.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	305
GI	none	Score	153
Exons	1..93, 1..99, 3..101, 8..289, 90..296, 90..305, 91..300		

Seq. No.	10640	Seq. ID	OJ990410_24.9923.C1
Gene No.	22576	Strand	
Start	1	End	305
Name	OJ990410_24.9923.C1.o1.tw	Method	TBLASTX:Wheat
Start	75	End	294
GI	none	Score	353
Exons	75..293, 75..293, 76..294, 76..294		

Seq. No.	10640	Seq. ID	OJ990410_24.9923.C1
Gene No.	22577	Strand	
Start	242	End	747
Name	OJ990410_24.9923.C1.o1.tc	Method	TBLASTX:Cress
Start	242	End	747
GI	none	Score	55
Exons	242..289, 242..280, 337..444, 341..418, 352..444, 401..595, 419..598, 420..596, 631..681, 632..682, 670..744, 691..747		

Seq. No.	10640	Seq. ID	OJ990410_24.9923.C1
Gene No.	22578	Strand	
Start	679	End	1002
Name	OJ990410_24.9923.C1.o1.ts	Method	TBLASTX:Soybean
Start	679	End	1002
GI	none	Score	82
Exons	679..729, 681..731, 824..913, 826..915, 829..915, 830..916, 919..1002, 920..1000		

Seq. No.	10640	Seq. ID	OJ990410_24.9923.C1
Gene No.	22578	Strand	
Start	679	End	1002
Name	OJ990410_24.9923.C1.o2.tm	Method	TBLASTX:Maize
Start	708	End	988
GI	none	Score	367
Exons	708..935, 708..917, 710..946, 710..934, 891..986, 913..987, 914..988, 915..986, 916..987		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22579	Strand	+
Start	1298	End	1732
Name	OJ990410_24.9923.C2.o1.gp	Method	AAT/GAP
Start	1298	End	1732
GI	5886_1.R1084	Score	840
Exons	1298..1732		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22580	Strand	-
Start	1879	End	2320
Name	OJ990410_24.9923.C2.o2.tm	Method	TBLASTX:Maize
Start	1348	End	1618
GI	none	Score	256
Exons	1348..1569, 1348..1461, 1349..1570, 1467..1517, 1470..1517, 1559..1618, 1559..1618		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22580	Strand	-

Start	1879	End	2320
Name	OJ990410_24.9923.C2.o8.ts	Method	TBLASTX:Soybean
Start	1689	End	2247
GI	none	Score	168
Exons	1689..1925, 1701..1931, 1708..1932, 2064..2237, 2070..2237, 2071..2244, 2092..2247		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22580	Strand	-
Start	1879	End	2320
Name	OJ990410_24.9923.C2.o4.tm	Method	TBLASTX:Maize
Start	1829	End	2112
GI	none	Score	175
Exons	1829..1939, 1829..1945, 1830..1967, 1867..1959, 1951..2016, 1956..2021, 1973..2038, 1992..2030, 2033..2059, 2034..2060, 2056..2112, 2067..2111, 2071..2112		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22580	Strand	-
Start	1879	End	2320
Name	OJ990410_24.9923.C2.o2.gp	Method	AAT/GAP
Start	1879	End	2320
GI	LIB3431-005-P1-N1-A5	Score	865
Exons	1879..2320		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22581	Strand	
Start	3046	End	3537
Name	OJ990410_24.9923.C2.o1.tc	Method	TBLASTX:Cress
Start	3046	End	3537
GI	none	Score	455
Exons	3046..3537, 3047..3463, 3207..3533		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22581	Strand	
Start	3046	End	3537
Name	OJ990410_24.9923.C2.o4.ts	Method	TBLASTX:Soybean
Start	3133	End	3375
GI	none	Score	315
Exons	3133..3375, 3134..3373, 3199..3375		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22582	Strand	
Start	3617	End	4128
Name	OJ990410_24.9923.C2.o5.tc	Method	TBLASTX:Cress
Start	3617	End	4011
GI	none	Score	93
Exons	3617..3718, 3663..3737, 3664..3720, 3671..3724, 3699..3869, 3712..3912, 3713..3913, 3725..3913, 3726..3914, 3899..4000, 3913..4002, 3916..4011, 3939..4010		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22582	Strand	
Start	3617	End	4128
Name	OJ990410_24.9923.C2.o3.ts	Method	TBLASTX:Soybean
Start	3745	End	4128
GI	none	Score	155
Exons	3745..3960, 3746..3913, 3916..4128, 3939..4127		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22583	Strand	
Start	4186	End	4536
Name	OJ990410_24.9923.C2.o7.tc	Method	TBLASTX:Cress
Start	4186	End	4536
GI	none	Score	233
Exons	4186..4458, 4200..4457, 4450..4536		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22583	Strand	
Start	4186	End	4536
Name	OJ990410_24.9923.C2.o5.ts	Method	TBLASTX:Soybean
Start	4207	End	4512
GI	none	Score	246
Exons	4207..4458, 4207..4440, 4209..4457, 4459..4512		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22584	Strand	
Start	6084	End	7040
Name	OJ990410_24.9923.C2.o1.ts	Method	TBLASTX:Soybean
Start	6084	End	7038
GI	none	Score	72
Exons	6084..6173, 6085..6120, 6171..6371, 6178..6372, 6181..6375, 6370..6534, 6375..6554, 6412..6585, 6414..6578, 6655..6921, 6663..7037, 6667..7038		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22584	Strand	
Start	6084	End	7040
Name	OJ990410_24.9923.C2.o4.tc	Method	TBLASTX:Cress
Start	6403	End	7040
GI	none	Score	114
Exons	6403..6534, 6405..6581, 6412..6585, 6414..6581, 6680..6769, 6694..6771, 6708..6794, 6810..7040, 6811..7038, 6858..7040		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22585	Strand	
Start	7184	End	7714
Name	OJ990410_24.9923.C2.o1.tm	Method	TBLASTX:Maize
Start	7184	End	7635
GI	none	Score	585
Exons	7184..7633, 7211..7633, 7212..7634, 7213..7635		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22585	Strand	
Start	7184	End	7714
Name	OJ990410_24.9923.C2.o3.tc	Method	TBLASTX:Cress
Start	7256	End	7714

GI	none	Score	349
Exons	7256..7714, 7359..7712		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22585	Strand	
Start	7184	End	7714
Name	OJ990410_24.9923.C2.o7.ts	Method	TBLASTX:Soybean
Start	7301	End	7555
GI	none	Score	219
Exons	7301..7537, 7304..7555, 7309..7539, 7365..7553		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22586	Strand	
Start	7766	End	8383
Name	OJ990410_24.9923.C2.o2.tc	Method	TBLASTX:Cress
Start	7766	End	8305
GI	none	Score	345
Exons	7766..8209, 7767..8216, 7811..8224, 7833..8213, 7930..8220, 8195..8305		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22586	Strand	
Start	7766	End	8383
Name	OJ990410_24.9923.C2.o2.ts	Method	TBLASTX:Soybean
Start	7835	End	8336
GI	none	Score	43
Exons	7835..8335, 7836..7874, 7836..8336, 7911..8336		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22586	Strand	
Start	7766	End	8383
Name	OJ990410_24.9923.C2.o3.tm	Method	TBLASTX:Maize
Start	7940	End	8383
GI	none	Score	65
Exons	7940..8095, 7941..8081, 8189..8383, 8190..8327		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22587	Strand	
Start	8306	End	8646
Name	OJ990410_24.9923.C2.o6.tc	Method	TBLASTX:Cress
Start	8306	End	8587
GI	none	Score	206
Exons	8306..8467, 8307..8465, 8466..8579, 8467..8580, 8467..8580, 8474..8587, 8513..8587		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22587	Strand	
Start	8306	End	8646
Name	OJ990410_24.9923.C2.o6.ts	Method	TBLASTX:Soybean
Start	8337	End	8646
GI	none	Score	318
Exons	8337..8645, 8338..8433, 8369..8644, 8464..8646		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22588	Strand	
Start	8613	End	8935
Name	OJ990410_24.9923.C2.o8.tc	Method	TBLASTX:Cress

Start	8613	End	8932
GI	none	Score	158
Exons	8613..8756, 8615..8755, 8756..8773, 8840..8914, 8843..8932, 8854..8931		

Seq. No.	10641	Seq. ID	OJ990410_24.9923.C2
Gene No.	22588	Strand	
Start	8613	End	8935
Name	OJ990410_24.9923.C2.o9.ts	Method	TBLASTX:Soybean
Start	8648	End	8935
GI	none	Score	87
Exons	8648..8755, 8649..8756, 8755..8796, 8756..8800, 8848..8934, 8849..8935, 8849..8935		

Seq. No.	10642	Seq. ID	OJ990410_24.9923.C3
Gene No.	22589	Strand	
Start	316	End	863
Name	OJ990410_24.9923.C3.o1.ts	Method	TBLASTX:Soybean
Start	316	End	863
GI	none	Score	293
Exons	316..657, 317..658, 435..668, 798..863		

Seq. No.	10642	Seq. ID	OJ990410_24.9923.C3
Gene No.	22589	Strand	
Start	316	End	863
Name	OJ990410_24.9923.C3.o1.tc	Method	TBLASTX:Cress
Start	334	End	659
GI	none	Score	309
Exons	334..657, 335..658, 429..659, 435..659		

Seq. No.	10643	Seq. ID	OJ990410_24.9923.C5
Gene No.	22590	Strand	-
Start	1	End	259
Name	OJ990410_24.9923.C5.o1.gp	Method	AAT/GAP
Start	1	End	219
GI	LIB3431-040-P1-K2-C1	Score	415
Exons	1..219		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	10643	Seq. ID	OJ990410_24.9923.C5
Gene No.	22590	Strand	-
Start	1	End	259
Name	OJ990410_24.9923.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	259
GI	none	Score	59
Exons	1..75, 1..201, 2..259, 3..257, 85..189, 127..258		

Seq. No.	10643	Seq. ID	OJ990410_24.9923.C5
Gene No.	22590	Strand	-
Start	1	End	259
Name	OJ990410_24.9923.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	259
GI	none	Score	54

Exons	1..66, 2..259, 3..257, 127..258		
Seq. No.	10644	Seq. ID	OJ990410_24.9923.C6
Gene No.	22591	Strand	+
Start	1	End	113
Name	OJ990410_24.9923.C6.o1.gp	Method	AAT/GAP
Start	1	End	113
GI	306_9.R1084	Score	210
Exons	1..113		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		
Seq. No.	10644	Seq. ID	OJ990410_24.9923.C6
Gene No.	22591	Strand	+
Start	1	End	113
Name	OJ990410_24.9923.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	107
GI	none	Score	159
Exons	1..105, 3..107, 3..107		
Seq. No.	10645	Seq. ID	OJ990410_24.9923.C7
Gene No.	22592	Strand	+
Start	1	End	611
Name	OJ990410_24.9923.C7.o1.gp	Method	AAT/GAP
Start	1	End	326
GI	688_1.R1084	Score	636
Exons	1..326		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		
Seq. No.	10645	Seq. ID	OJ990410_24.9923.C7
Gene No.	22592	Strand	+
Start	1	End	611
Name	OJ990410_24.9923.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	443
GI	none	Score	132
Exons	2..85, 2..79, 54..200, 70..204, 75..197, 79..207, 183..443, 199..441		
Seq. No.	10645	Seq. ID	OJ990410_24.9923.C7
Gene No.	22592	Strand	+
Start	1	End	611
Name	OJ990410_24.9923.C7.o2.tc	Method	TBLASTX:Cress
Start	2	End	193
GI	none	Score	139
Exons	2..82, 6..83, 80..154, 80..193, 81..191, 82..192		
Seq. No.	10645	Seq. ID	OJ990410_24.9923.C7
Gene No.	22592	Strand	+
Start	1	End	611
Name	OJ990410_24.9923.C7.o1.tc	Method	TBLASTX:Cress
Start	206	End	611
GI	none	Score	298
Exons	206..379, 207..380, 208..387, 375..557, 376..558, 378..557, 533..610, 558..611		
Seq. No.	10646	Seq. ID	OJ990410_24.9923.C8

Gene No.	22593	Strand	
Start	1	End	141
Name	OJ990410_24.9923.C8.o1.tc	Method	TBLASTX:Cress
Start	1	End	141
GI	none	Score	197
Exons	1..141, 2..139		

Seq. No.	10646	Seq. ID	OJ990410_24.9923.C8
Gene No.	22594	Strand	
Start	100	End	271
Name	OJ990410_24.9923.C8.o1.ts	Method	TBLASTX:Soybean
Start	100	End	271
GI	none	Score	78
Exons	100..270, 101..169, 165..269,	167..271,	197..271

Seq. No.	10647	Seq. ID	OJ990410_24.9923.C9
Gene No.	22595	Strand	
Start	414	End	663
Name	OJ990410_24.9923.C9.o1.ts	Method	TBLASTX:Soybean
Start	414	End	663
GI	none	Score	128
Exons	414..539, 414..539, 416..547,	425..547,	538..663, 540..662

Seq. No.	10647	Seq. ID	OJ990410_24.9923.C9
Gene No.	22596	Strand	
Start	664	End	801
Name	OJ990410_24.9923.C9.o2.ts	Method	TBLASTX:Soybean
Start	664	End	801
GI	none	Score	138
Exons	664..801, 666..800		

Seq. No.	10648	Seq. ID	OJ990410_24.9923.C10
Gene No.	22597	Strand	
Start	293	End	697
Name	OJ990410_24.9923.C10.o1.tc	Method	TBLASTX:Cress
Start	293	End	697
GI	none	Score	235
Exons	293..517, 312..692, 313..693,	560..697	

Seq. No.	10648	Seq. ID	OJ990410_24.9923.C10
Gene No.	22597	Strand	
Start	293	End	697
Name	OJ990410_24.9923.C10.o1.ts	Method	TBLASTX:Soybean
Start	388	End	697
GI	none	Score	316
Exons	388..693, 390..692, 569..697		

Seq. No.	10649	Seq. ID	OJ990410_24.9923.C11
Gene No.	22598	Strand	-
Start	1	End	184
Name	OJ990410_24.9923.C11.o1.gp	Method	AAT/GAP
Start	1	End	184
GI	306_9.R1084	Score	355
Exons	1..184		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	10649	Seq. ID	OJ990410_24.9923.C11
Gene No.	22598	Strand	-
Start	1	End	184
Name	OJ990410_24.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	152
GI	none	Score	152
Exons	1..84, 2..151, 3..152, 3..152		

Seq. No.	10649	Seq. ID	OJ990410_24.9923.C11
Gene No.	22598	Strand	-
Start	1	End	184
Name	OJ990410_24.9923.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	184
GI	none	Score	251
Exons	1..60, 2..184, 3..182, 130..183		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22599	Strand	+
Start	691	End	1632
Name	OJ990410_24.9923.C12.o2.gp	Method	AAT/GAP
Start	691	End	1632
GI	688_1.R1084	Score	1842
Exons	691..1632		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o1.tw	Method	TBLASTX:Wheat
Start	223	End	1939
GI	none	Score	266
Exons	223..393, 224..388, 234..392, 376..402, 377..400, 378..401, 379..402, 473..577, 474..578, 474..578, 475..594, 1859..1939		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o2.ts	Method	TBLASTX:Soybean
Start	223	End	861
GI	none	Score	175
Exons	223..345, 225..329, 233..334, 344..400, 345..401, 346..402, 474..536, 490..516, 491..541, 541..603, 552..605, 553..603, 554..604, 606..698, 616..690, 618..695, 687..740, 688..741, 701..754, 737..766, 745..861, 773..829, 780..860		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o3.tc	Method	TBLASTX:Cress
Start	227	End	662
GI	none	Score	191
Exons	227..379, 233..388, 240..392, 240..392, 241..393, 364..402, 368..400, 473..586, 474..515, 475..516, 516..659, 519..662		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-

Start	2278	End	3078
Name	OJ990410_24.9923.C12.o2.tm	Method	TBLASTX:Maize
Start	473	End	653
GI	none	Score	272
Exons	473..640, 474..641, 474..653, 475..642		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o4.tc	Method	TBLASTX:Cress
Start	664	End	1014
GI	none	Score	134
Exons	664..777, 665..778, 671..778, 773..829, 780..821, 780..917, 781..861, 864..965, 865..978, 880..978, 881..991, 890..1003, 975..1007, 979..1008, 979..1014		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	1113	End	1749
GI	none	Score	63
Exons	1113..1199, 1113..1199, 1114..1200, 1115..1243, 1185..1391, 1195..1383, 1199..1390, 1360..1506, 1376..1510, 1380..1460, 1381..1503, 1385..1513, 1489..1749, 1505..1747		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o2.tc	Method	TBLASTX:Cress
Start	1125	End	1499
GI	none	Score	122
Exons	1125..1199, 1126..1200, 1185..1388, 1195..1389, 1196..1390, 1386..1460, 1386..1499, 1387..1497		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o1.tc	Method	TBLASTX:Cress
Start	1512	End	2069
GI	none	Score	272
Exons	1512..1685, 1512..1685, 1513..1686, 1514..1693, 1681..1974, 1682..1948, 1682..2005, 1684..1953, 1949..2038, 1950..2039, 1952..2041, 2040..2069		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o3.ts	Method	TBLASTX:Soybean
Start	2088	End	2332
GI	none	Score	67
Exons	2088..2147, 2088..2147, 2089..2148, 2089..2148, 2155..2211, 2157..2210, 2195..2332, 2200..2331, 2201..2332		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078

Name	OJ990410_24.9923.C12.o3.gp	Method	AAT/GAP
Start	2278	End	2747
GI	uC-osflcyp097b05b1	Score	907
Exons	2278..2747		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o1.tm	Method	TBLASTX:Maize
Start	2544	End	3055
GI	none	Score	415
Exons	2544..2816, 2544..2816, 2546..2845, 2774..2854, 2791..2871, 2795..2857, 2859..3053, 2864..3055, 2864..3055		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o5.tc	Method	TBLASTX:Cress
Start	2710	End	3058
GI	none	Score	130
Exons	2710..2787, 2711..2797, 2712..2795, 2775..2804, 2790..2834, 2795..2836, 2806..2859, 2810..2857, 2888..2959, 2889..2975, 2963..3058, 2964..3056		

Seq. No.	10650	Seq. ID	OJ990410_24.9923.C12
Gene No.	22600	Strand	-
Start	2278	End	3078
Name	OJ990410_24.9923.C12.o4.ts	Method	TBLASTX:Soybean
Start	2743	End	3078
GI	none	Score	46
Exons	2743..2787, 2744..2782, 2745..2789, 2792..2827, 2793..2828, 2906..2959, 2910..2975, 2910..2972, 2963..3058, 2965..3066, 2965..3057, 3058..3078		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22601	Strand	+
Start	1222	End	3191
Name	OJ990410_24.9923.C13.o1.gp	Method	AAT/GAP
Start	1222	End	3191
GI	183_5.R1084	Score	2766
Exons	1222..2266, 2807..3191		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22602	Strand	+

Start	10285	End	10713
Name	OJ990410_24.9923.C13.o2.gp	Method	AAT/GAP
Start	10285	End	10713
GI	3073_1.R1084	Score	820
Exons	10285..10713		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22603	Strand	+
Start	20751	End	21211
Name	OJ990410_24.9923.C13.o8.gp	Method	AAT/GAP
Start	20751	End	21211
GI	2231_2.R1084	Score	777
Exons	20751..21211		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22604	Strand	+
Start	21306	End	22194
Name	OJ990410_24.9923.C13.o9.gp	Method	AAT/GAP
Start	21306	End	22194
GI	7587_1.R1084	Score	1575
Exons	21306..22194		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22605	Strand	-
Start	10737	End	11100
Name	OJ990410_24.9923.C13.o3.gp	Method	AAT/GAP
Start	10737	End	11100
GI	5455469	Score	666
Exons	10737..11100		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22606	Strand	-
Start	11464	End	11917
Name	OJ990410_24.9923.C13.o4.gp	Method	AAT/GAP
Start	11464	End	11917
GI	24570_1.R1084	Score	908
Exons	11464..11917		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN		

(32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22607	Strand	-
Start	14364	End	14632
Name	OJ990410_24.9923.C13.o5.gp	Method	AAT/GAP
Start	14364	End	14632
GI	40596_1.R1084	Score	450
Exons	14364..14632		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22608	Strand	-
Start	15226	End	16472
Name	OJ990410_24.9923.C13.o6.gp	Method	AAT/GAP
Start	15226	End	16472
GI	uC-osflcyp086a01a1	Score	851
Exons	15226..15416, 16227..16472		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o13.tw	Method	TBLASTX:Wheat
Start	1	End	297
GI	none	Score	65
Exons	1..36, 2..37, 2..37, 30..113, 30..95, 32..97, 99..164, 100..186, 149..190, 159..203, 160..231, 160..222, 184..273, 202..297, 220..297		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o3.tc	Method	TBLASTX:Cress
Start	2	End	1382
GI	none	Score	118
Exons	2..79, 3..77, 68..103, 81..107, 81..107, 101..193, 106..231, 108..203, 115..222, 199..315, 201..317, 233..316, 319..372, 324..383, 326..385, 410..511, 411..509, 412..594, 419..595, 549..596, 610..654, 614..772, 615..722, 662..778, 667..798, 669..776, 794..856, 795..902, 820..888, 857..925, 858..929, 858..926, 921..1001, 922..1002, 922..1002, 926..1003, 1022..1093, 1050..1196, 1057..1155, 1058..1189, 1258..1287, 1263..1289, 1263..1289, 1287..1382, 1296..1382		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146

Name	OJ990410_24.9923.C13.o10.ts	Method	TBLASTX:Soybean
Start	1029	End	2142
GI	none	Score	163
Exons	1029..1169, 1030..1194, 1038..1196, 1040..1195, 1257..1295, 1310..1402, 1327..1383, 1410..1514, 1410..1487, 1521..1547, 1522..1548, 1541..1606, 1543..1608, 1681..1743, 1731..1766, 1732..1773, 1773..1805, 1774..1809, 1825..1872, 1829..1879, 1831..1926, 1836..1958, 1836..1925, 1935..2141, 1941..2141, 1942..2142		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	1224	End	3102
GI	none	Score	514
Exons	1224..1526, 1224..1529, 1232..1531, 1524..1583, 1525..1608, 1525..1587, 1526..1609, 1655..1756, 1664..2137, 1665..3101, 1671..3083, 1693..3102, 2632..3102		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o17.tc	Method	TBLASTX:Cress
Start	1383	End	1604
GI	none	Score	113
Exons	1383..1406, 1401..1544, 1408..1545, 1411..1542, 1412..1543, 1535..1567, 1538..1579, 1569..1604		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o5.tc	Method	TBLASTX:Cress
Start	1664	End	2413
GI	none	Score	63
Exons	1664..1684, 1665..1706, 1671..1712, 1688..1756, 1698..1772, 1702..1746, 1741..1842, 1762..1809, 1773..1847, 1811..1879, 1815..1931, 1816..1932, 1823..1936, 1824..1940, 1890..2411, 1891..2412, 1909..1935, 1935..2411, 2192..2413		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o4.tw	Method	TBLASTX:Wheat
Start	2022	End	2432
GI	none	Score	601
Exons	2022..2381, 2025..2366, 2373..2432		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o8.ts	Method	TBLASTX:Soybean
Start	2300	End	2702
GI	none	Score	239
Exons	2300..2455, 2301..2453, 2302..2484, 2454..2567, 2454..2567, 2579..2701, 2580..2702		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o16.tc	Method	TBLASTX:Cress
Start	2687	End	2847
GI	none	Score	190
Exons	2687..2827, 2688..2828, 2692..2829, 2692..2847, 2726..2836		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o4.ts	Method	TBLASTX:Soybean
Start	2704	End	3428
GI	none	Score	199
Exons	2704..2829, 2704..2829, 2709..2831, 2822..3130, 2823..2867, 2883..3083, 2884..3129, 3136..3381, 3141..3380, 3155..3385, 3381..3428, 3384..3425		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o14.tw	Method	TBLASTX:Wheat
Start	2808	End	3027
GI	none	Score	59
Exons	2808..2840, 2809..2841, 2829..2960, 2845..2958, 2917..3027, 2940..3023, 2944..3024		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o8.tc	Method	TBLASTX:Cress
Start	2894	End	3416
GI	none	Score	119
Exons	2894..3001, 2907..2999, 2991..3017, 2995..3129, 2995..3129, 3009..3131, 3017..3130, 3128..3379, 3136..3381, 3153..3380, 3155..3385, 3381..3416, 3384..3413		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o11.tm	Method	TBLASTX:Maize
Start	3103	End	3458
GI	none	Score	585
Exons	3103..3411, 3104..3457, 3105..3455, 3141..3458		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o7.ts	Method	TBLASTX:Soybean
Start	3541	End	3993
GI	none	Score	103
Exons	3541..3627, 3542..3658, 3543..3656, 3611..3688, 3612..3671, 3614..3688, 3675..3989, 3676..3993, 3676..3993		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146

Name	OJ990410_24.9923.C13.o11.ts	Method	TBLASTX:Soybean
Start	3994	End	4220
GI	none	Score	372
Exons	3994..4218, 3994..4218, 3996..4220		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o6.ts	Method	TBLASTX:Soybean
Start	5426	End	5919
GI	none	Score	205
Exons	5426..5548, 5426..5761, 5428..5907, 5428..5919, 5511..5909		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o9.tw	Method	TBLASTX:Wheat
Start	5715	End	6200
GI	none	Score	286
Exons	5715..5948, 5715..5948, 5716..5955, 5902..5994, 5944..5994, 5945..5995, 5954..5995, 5980..6048, 5993..6058, 6000..6020, 6006..6083, 6006..6047, 6007..6048, 6008..6085, 6010..6090, 6012..6074, 6065..6121, 6065..6121, 6123..6200, 6123..6200		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o17.ts	Method	TBLASTX:Soybean
Start	7369	End	7548
GI	none	Score	162
Exons	7369..7509, 7373..7513, 7373..7510, 7519..7548, 7523..7546		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o10.tc	Method	TBLASTX:Cress
Start	7496	End	7904
GI	none	Score	111
Exons	7496..7627, 7538..7618, 7545..7625, 7602..7715, 7628..7714, 7629..7715, 7630..7725, 7710..7748, 7710..7859, 7712..7858, 7712..7873, 7860..7904, 7865..7900		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o15.tw	Method	TBLASTX:Wheat
Start	8058	End	8285
GI	none	Score	214
Exons	8058..8204, 8058..8219, 8226..8285, 8227..8283		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o2.tc	Method	TBLASTX:Cress
Start	8134	End	9351
GI	none	Score	85
Exons	8134..8220, 8136..8219, 8144..8224, 8225..8299, 8226..8321,		

8227..8313, 8233..8331, 8318..9031, 8318..9028, 8824..9033,
9037..9156, 9041..9157, 9144..9275, 9157..9351, 9178..9351

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o3.tm	Method	TBLASTX:Maize
Start	8256	End	9033
GI	none	Score	729
Exons	8256..8780, 8258..8788, 8258..8779, 8781..8954, 8782..8847, 8783..9031, 8783..9028, 8824..9033		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o2.tw	Method	TBLASTX:Wheat
Start	8286	End	8662
GI	none	Score	579
Exons	8286..8588, 8287..8661, 8287..8661, 8288..8662, 8288..8662		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o5.ts	Method	TBLASTX:Soybean
Start	8324	End	8901
GI	none	Score	787
Exons	8324..8899, 8330..8896, 8824..8901		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o3.ts	Method	TBLASTX:Soybean
Start	8902	End	10634
GI	none	Score	453
Exons	8902..9297, 8990..9283, 9275..9352, 9276..9353, 9307..9534, 9358..9537, 9359..9535, 9537..9581, 9537..9578, 9538..9579, 9540..9686, 9573..9671, 9657..9755, 9658..9855, 9673..9882, 9788..10117, 9823..10062, 9827..10171, 9828..10118, 10366..10392, 10368..10391, 10396..10620, 10397..10630, 10482..10634		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o2.tm	Method	TBLASTX:Maize
Start	9257	End	10086
GI	none	Score	1295
Exons	9257..9628, 9262..10062, 9264..10085, 9265..10086		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o7.tc	Method	TBLASTX:Cress
Start	9607	End	10495
GI	none	Score	358
Exons	9607..9924, 9687..9755, 9688..9936, 9693..9932, 9946..10062, 9947..10117, 9950..10117, 9951..10118, 9952..10119,		

10176..10205, 10176..10205, 10179..10256, 10189..10254,
10199..10255, 10206..10256, 10207..10257, 10397..10495,
10403..10492

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o8.tw	Method	TBLASTX:Wheat
Start	9639	End	9946
GI	none	Score	514
Exons	9639..9755, 9640..9945, 9640..9945, 9671..9946		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o10.tm	Method	TBLASTX:Maize
Start	10268	End	10697
GI	none	Score	155
Exons	10268..10357, 10269..10370, 10309..10398, 10313..10372, 10359..10433, 10359..10427, 10363..10662, 10364..10678, 10400..10669, 10479..10697		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o9.tc	Method	TBLASTX:Cress
Start	10774	End	20511
GI	none	Score	397
Exons	10774..11142, 10792..11142, 20395..20511		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o1.tw	Method	TBLASTX:Wheat
Start	10948	End	20586
GI	none	Score	43
Exons	10948..11064, 11176..11298, 20143..20178, 20164..20586, 20170..20586		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o2.ts	Method	TBLASTX:Soybean
Start	11176	End	20376
GI	none	Score	84
Exons	11176..11541, 11197..11382, 19555..20376, 19569..20375		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o8.tm	Method	TBLASTX:Maize
Start	11176	End	20351
GI	none	Score	671
Exons	11176..11382, 19924..20349, 19929..20351, 19930..20349		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-

Start	16553	End	22146
Name	OJ990410_24.9923.C13.o4.tc	Method	TBLASTX:Cress
Start	11230	End	20214
GI	none	Score	241
Exons	11230..11457, 11233..11463, 11440..11865, 11459..11884, 11862..11897, 20029..20214		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o4.tm	Method	TBLASTX:Maize
Start	11425	End	11921
GI	none	Score	799
Exons	11425..11916, 11426..11914, 11427..11921, 11742..11918		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o9.ts	Method	TBLASTX:Soybean
Start	11606	End	11921
GI	none	Score	429
Exons	11606..11911, 11606..11902, 11608..11910, 11742..11921		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o12.ts	Method	TBLASTX:Soybean
Start	12391	End	12761
GI	none	Score	158
Exons	12391..12642, 12395..12640, 12539..12643, 12629..12754, 12634..12750, 12636..12761		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o5.tw	Method	TBLASTX:Wheat
Start	12452	End	12848
GI	none	Score	545
Exons	12452..12826, 12454..12825, 12821..12847, 12822..12848		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o13.tm	Method	TBLASTX:Maize
Start	12680	End	12946
GI	none	Score	358
Exons	12680..12946, 12682..12945		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o13.ts	Method	TBLASTX:Soybean
Start	12900	End	13357
GI	none	Score	140
Exons	12900..13193, 12901..13110, 13153..13299, 13163..13306, 13197..13340, 13278..13346, 13280..13357		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o11.tc	Method	TBLASTX:Cress
Start	13074	End	13553
GI	none	Score	38
Exons	13074..13214, 13075..13230, 13076..13237, 13225..13293, 13228..13293, 13235..13294, 13310..13540, 13310..13540, 13312..13551, 13380..13553		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o7.tw	Method	TBLASTX:Wheat
Start	13114	End	13494
GI	none	Score	505
Exons	13114..13494, 13115..13489, 13117..13494		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o15.ts	Method	TBLASTX:Soybean
Start	13370	End	13916
GI	none	Score	104
Exons	13370..13459, 13371..13559, 13375..13566, 13571..13621, 13573..13614, 13637..13768, 13639..13770, 13663..13773, 13785..13916		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o18.tc	Method	TBLASTX:Cress
Start	13562	End	13916
GI	none	Score	50
Exons	13562..13621, 13573..13608, 13628..13768, 13644..13766, 13663..13773, 13664..13771, 13801..13914, 13802..13915, 13803..13916		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o13.tc	Method	TBLASTX:Cress
Start	14104	End	14651
GI	none	Score	49
Exons	14104..14154, 14109..14156, 14116..14157, 14158..14199, 14158..14196, 14159..14203, 14169..14204, 14242..14379, 14288..14380, 14297..14380, 14298..14384, 14304..14396, 14308..14421, 14403..14447, 14472..14513, 14473..14511, 14500..14643, 14502..14651, 14502..14642		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o15.tm	Method	TBLASTX:Maize
Start	14356	End	14616
GI	none	Score	122
Exons	14356..14379, 14358..14384, 14368..14445, 14372..14446,		

14376..14471, 14416..14616, 14436..14615

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o17.tm	Method	TBLASTX:Maize
Start	14617	End	14991
GI	none	Score	68
Exons	14617..14658, 14618..14659, 14618..14659, 14619..14660, 14656..14697, 14657..14722, 14711..14749, 14714..14752, 14725..14763, 14736..14813, 14737..14817, 14753..14812, 14811..14855, 14835..14933, 14845..14940, 14846..14941, 14882..14941, 14938..14991		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o14.ts	Method	TBLASTX:Soybean
Start	15220	End	16343
GI	none	Score	251
Exons	15220..15459, 15221..15448, 15244..15450, 15421..15492, 15426..15518, 15430..15528, 15688..15735, 15733..15783, 15741..15782, 15786..15818, 15936..16043, 15957..16058, 16061..16099, 16063..16101, 16112..16174, 16121..16174, 16149..16208, 16163..16213, 16205..16279, 16205..16294, 16319..16339, 16320..16343		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o14.tc	Method	TBLASTX:Cress
Start	15294	End	15482
GI	none	Score	44
Exons	15294..15347, 15295..15474, 15296..15481, 15387..15482		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o9.tm	Method	TBLASTX:Maize
Start	15823	End	16452
GI	none	Score	113
Exons	15823..15918, 15824..15907, 15910..16053, 15930..16097, 15963..16100, 15977..16111, 16073..16351, 16085..16345, 16099..16353, 16341..16373, 16374..16406, 16374..16424, 16375..16407, 16402..16449, 16408..16452		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o7.gp	Method	AAT/GAP
Start	16553	End	17003
GI	uC-osflcyp086a01b1	Score	902
Exons	16553..17003		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13

Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o16.tw	Method	TBLASTX:Wheat
Start	17238	End	17617
GI	none	Score	148
Exons	17238..17426, 17327..17425, 17329..17430, 17535..17609, 17539..17613, 17539..17610, 17540..17617		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o6.tm	Method	TBLASTX:Maize
Start	17523	End	18088
GI	none	Score	184
Exons	17523..17642, 17530..17655, 17531..17656, 17531..17656, 17628..17681, 17641..17688, 17642..17677, 17642..17689, 17670..17984, 17675..17983, 17797..17988, 17987..18052, 17988..18050, 17989..18051, 17990..18052, 18038..18088, 18038..18088		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o1.tc	Method	TBLASTX:Cress
Start	17660	End	22117
GI	none	Score	78
Exons	17660..17833, 20604..21101, 20604..20891, 20606..21109, 20608..20994, 20933..21100, 21019..21108, 21101..21181, 21138..21242, 21158..21439, 21175..21441, 21179..21445, 21202..22047, 21362..21544, 21441..22046, 22088..22117		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o3.tw	Method	TBLASTX:Wheat
Start	17660	End	21781
GI	none	Score	75
Exons	17660..17833, 21158..21439, 21160..21297, 21175..21441, 21199..21441, 21202..21684, 21362..21544, 21441..21683, 21584..21688, 21590..21703, 21603..21704, 21647..21781, 21664..21780		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	17660	End	22080
GI	none	Score	76
Exons	17660..17833, 20584..20973, 20584..20994, 20588..21109, 20933..21094, 21019..21108, 21097..21126, 21101..21172, 21138..21221, 21158..21439, 21175..21441, 21196..21441, 21202..22080, 21326..21544, 21441..22043, 21442..22062		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o16.ts	Method	TBLASTX:Soybean

Start	17834	End	18435
GI	none	Score	154
Exons	17834..17953, 17836..17937, 18305..18433, 18306..18431, 18307..18435		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o16.tm	Method	TBLASTX:Maize
Start	18089	End	18298
GI	none	Score	90
Exons	18089..18157, 18090..18161, 18091..18162, 18150..18206, 18160..18225, 18161..18217, 18186..18296, 18191..18298, 18199..18297, 18200..18298		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o15.tc	Method	TBLASTX:Cress
Start	18291	End	18571
GI	none	Score	207
Exons	18291..18434, 18304..18447, 18304..18447, 18547..18570, 18548..18571		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o14.tm	Method	TBLASTX:Maize
Start	18644	End	19072
GI	none	Score	95
Exons	18644..18709, 18645..18710, 18646..18711, 18695..18754, 18696..18752, 18700..18774, 18701..18805, 18780..18809, 18810..18926, 18811..18948, 18828..18950, 18906..18968, 18906..18968, 18907..18969, 18975..19070, 18975..19055, 18977..19072, 18977..19072		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o11.tw	Method	TBLASTX:Wheat
Start	18749	End	19275
GI	none	Score	57
Exons	18749..18808, 18780..18809, 18798..18890, 18803..18889, 18811..18891, 18811..18894, 18865..18936, 18883..18924, 18885..18974, 18885..18935, 18894..18968, 18910..18981, 18973..19098, 18975..19088, 19067..19261, 19085..19219, 19114..19242, 19255..19275		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o18.tm	Method	TBLASTX:Maize
Start	19074	End	19314
GI	none	Score	159
Exons	19074..19211, 19085..19210, 19085..19213, 19218..19271, 19220..19261, 19270..19314		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o12.tw	Method	TBLASTX:Wheat
Start	19289	End	19677
GI	none	Score	58
Exons	19289..19336, 19291..19323, 19292..19324, 19295..19354, 19297..19404, 19312..19353, 19326..19355, 19346..19402, 19356..19403, 19361..19405, 19392..19418, 19397..19432, 19403..19525, 19404..19529, 19405..19530, 19405..19530, 19528..19545, 19557..19673, 19561..19677, 19561..19677		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o6.tc	Method	TBLASTX:Cress
Start	19617	End	19989
GI	none	Score	447
Exons	19617..19988, 19617..19988, 19618..19989		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o12.tc	Method	TBLASTX:Cress
Start	20216	End	20394
GI	none	Score	189
Exons	20216..20389, 20217..20390, 20241..20393, 20248..20394		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o5.tm	Method	TBLASTX:Maize
Start	20646	End	21094
GI	none	Score	616
Exons	20646..21092, 20647..20994, 20648..21094, 20933..21094		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o6.tw	Method	TBLASTX:Wheat
Start	20748	End	21139
GI	none	Score	300
Exons	20748..21101, 20749..20994, 20750..21109, 20933..21100, 21019..21108, 21098..21139		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o12.tm	Method	TBLASTX:Maize
Start	21138	End	21584
GI	none	Score	41
Exons	21138..21221, 21141..21176, 21158..21439, 21175..21441, 21202..21441, 21312..21542, 21326..21541, 21441..21584		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146

Name	OJ990410_24.9923.C13.o7.tm	Method	TBLASTX:Maize
Start	21594	End	22083
GI	none	Score	687
Exons	21594..22055, 21612..22040, 22051..22083, 22052..22081		

Seq. No.	10651	Seq. ID	OJ990410_24.9923.C13
Gene No.	22609	Strand	-
Start	16553	End	22146
Name	OJ990410_24.9923.C13.o10.tw	Method	TBLASTX:Wheat
Start	21782	End	22146
GI	none	Score	394
Exons	21782..22081, 21782..22081, 21784..22083, 22052..22135, 22074..22145, 22075..22146		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22610	Strand	+
Start	1	End	317
Name	OJ990410_24.9923.C14.o1.gp	Method	AAT/GAP
Start	1	End	317
GI	5607533	Score	483
Exons	1..317		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22611	Strand	+
Start	1048	End	1222
Name	OJ990410_24.9923.C14.o3.gp	Method	AAT/GAP
Start	1048	End	1222
GI	306_9.R1084	Score	240
Exons	1048..1222		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22612	Strand	+
Start	4964	End	5075
Name	OJ990410_24.9923.C14.o4.gp	Method	AAT/GAP
Start	4964	End	5075
GI	1036999	Score	198
Exons	4964..5075		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22613	Strand	+
Start	5149	End	5294
Name	OJ990410_24.9923.C14.o5.gp	Method	AAT/GAP
Start	5149	End	5294
GI	LIB3432-021-P1-K1-A3	Score	213
Exons	5149..5294		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22614	Strand	+
Start	18785	End	19327
Name	OJ990410_24.9923.C14.o8.gp	Method	AAT/GAP

Start	18785	End	19327
GI	42732_1.R1084	Score	1070
Exons	18785..19327		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22615	Strand	+
Start	19368	End	19738
Name	OJ990410_24.9923.C14.o9.gp	Method	AAT/GAP
Start	19368	End	19738
GI	LIB3477-011-P1-K1-C10	Score	734
Exons	19368..19738		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22616	Strand	+
Start	22637	End	23183
Name	OJ990410_24.9923.C14.o12.gp	Method	AAT/GAP
Start	22637	End	23183
GI	5005311	Score	1047
Exons	22637..23183		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22617	Strand	+
Start	23751	End	24167
Name	OJ990410_24.9923.C14.o13.gp	Method	AAT/GAP
Start	23751	End	24167
GI	LIB3431-040-P1-K2-C1	Score	734
Exons	23751..24167		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22618	Strand	+
Start	29778	End	30036
Name	OJ990410_24.9923.C14.o15.gp	Method	AAT/GAP
Start	29778	End	30036
GI	uC-osflM202088b07a1	Score	514
Exons	29778..30036		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22619	Strand	+
Start	42467	End	43196
Name	OJ990410_24.9923.C14.o19.gp	Method	AAT/GAP
Start	42467	End	43196
GI	24824_1.R1084	Score	1371
Exons	42467..43196		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22620	Strand	+
Start	43293	End	44118
Name	OJ990410_24.9923.C14.o20.gp	Method	AAT/GAP
Start	43293	End	44118
GI	14384_1.R1084	Score	1358
Exons	43293..44004, 44090..44118		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22621	Strand	+
Start	45935	End	46558
Name	OJ990410_24.9923.C14.o21.gp	Method	AAT/GAP
Start	45935	End	46558
GI	7528_2.R1084	Score	1143
Exons	45935..46558		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22622	Strand	+
Start	47968	End	48409
Name	OJ990410_24.9923.C14.o23.gp	Method	AAT/GAP
Start	47968	End	48409
GI	uC-osf1M202092b08b1	Score	831
Exons	47968..48409		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22623	Strand	+
Start	52974	End	53496
Name	OJ990410_24.9923.C14.o24.gp	Method	AAT/GAP
Start	52974	End	53496
GI	uC-osflm202104g03b1	Score	1026
Exons	52974..53496		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea		

mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22624	Strand	+
Start	57041	End	57169
Name	OJ990410_24.9923.C14.o26.gp	Method	AAT/GAP
Start	57041	End	57169
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	57041..57169		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22625	Strand	+
Start	57719	End	58272
Name	OJ990410_24.9923.C14.o27.gp	Method	AAT/GAP
Start	57719	End	58272
GI	2896_1.R1084	Score	1016
Exons	57719..58272		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22626	Strand	+
Start	60329	End	60835
Name	OJ990410_24.9923.C14.o30.gp	Method	AAT/GAP
Start	60329	End	60835
GI	uC-osflcyp011b01b1	Score	987
Exons	60329..60835		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22627	Strand	-
Start	199	End	657
Name	OJ990410_24.9923.C14.o2.gp	Method	AAT/GAP
Start	199	End	657
GI	45273_1.R1084	Score	850
Exons	199..657		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22628	Strand	-
Start	7391	End	7510
Name	OJ990410_24.9923.C14.o6.gp	Method	AAT/GAP
Start	7391	End	7510
GI	5607624	Score	216
Exons	7391..7510		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22629	Strand	-

Start	14733	End	14818
Name	OJ990410_24.9923.C14.o7.gp	Method	AAT/GAP
Start	14733	End	14818
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	14733..14818		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22630	Strand	-
Start	20403	End	21443
Name	OJ990410_24.9923.C14.o10.gp	Method	AAT/GAP
Start	20403	End	21443
GI	2721_1.R1084	Score	1986
Exons	20403..21443		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22631	Strand	-
Start	21481	End	22026
Name	OJ990410_24.9923.C14.o11.gp	Method	AAT/GAP
Start	21481	End	22026
GI	2135_1.R1084	Score	1072
Exons	21481..22026		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22632	Strand	-
Start	26401	End	26831
Name	OJ990410_24.9923.C14.o14.gp	Method	AAT/GAP
Start	26401	End	26831
GI	uC-osflcyp021g10b1	Score	766
Exons	26401..26831		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22633	Strand	-
Start	33713	End	33828
Name	OJ990410_24.9923.C14.o16.gp	Method	AAT/GAP
Start	33713	End	33828
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	33713..33828		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22634	Strand	-
Start	37666	End	38635
Name	OJ990410_24.9923.C14.o17.gp	Method	AAT/GAP
Start	37666	End	38635
GI	2409_1.R1084	Score	1911
Exons	37666..38635		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22635	Strand	-
Start	41487	End	42003
Name	OJ990410_24.9923.C14.o18.gp	Method	AAT/GAP
Start	41487	End	42003
GI	uC-osf1M202083h12b1	Score	968
Exons	41487..42003		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22636	Strand	-
Start	46562	End	47098
Name	OJ990410_24.9923.C14.o22.gp	Method	AAT/GAP
Start	46562	End	47098
GI	2653_1.R1084	Score	1043
Exons	46562..47098		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22637	Strand	-
Start	55812	End	55979
Name	OJ990410_24.9923.C14.o25.gp	Method	AAT/GAP
Start	55812	End	55979
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	55812..55979		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22638	Strand	-
Start	59428	End	59879
Name	OJ990410_24.9923.C14.o28.gp	Method	AAT/GAP
Start	59428	End	59879
GI	uC-osf1cyp003h11b1	Score	872
Exons	59428..59879		
GI Descrip.	'131332/sp|P09449|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZOP photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_		

(X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o23.tm	Method	TBLASTX:Maize
Start	7	End	622
GI	none	Score	77
Exons	7..96, 8..55, 67..105, 194..292, 208..294, 209..292, 213..311, 249..563, 259..564, 295..567, 578..622, 583..621		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o43.tc	Method	TBLASTX:Cress
Start	8	End	537
GI	none	Score	45
Exons	8..46, 87..155, 118..150, 216..263, 216..245, 308..532, 313..537, 313..525, 314..526, 321..536		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o30.ts	Method	TBLASTX:Soybean
Start	214	End	537
GI	none	Score	44
Exons	214..261, 305..529, 313..537, 313..525		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o56.tm	Method	TBLASTX:Maize
Start	1035	End	24657
GI	none	Score	44
Exons	1035..1061, 1185..1262, 1189..1344, 1191..1346, 1192..1347, 24578..24640, 24579..24644, 24582..24650, 24595..24657		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o47.tm	Method	TBLASTX:Maize
Start	1876	End	2148
GI	none	Score	86
Exons	1876..1944, 1877..1966, 1926..2030, 1934..2071, 1934..2074, 1936..2115, 2063..2146, 2064..2147, 2065..2148, 2065..2148		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o52.tm	Method	TBLASTX:Maize
Start	3083	End	3286
GI	none	Score	106
Exons	3083..3157, 3085..3156, 3143..3286, 3151..3276		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o55.tc	Method	TBLASTX:Cress
Start	4141	End	4278
GI	none	Score	191
Exons	4141..4278, 4141..4278		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o49.tm	Method	TBLASTX:Maize
Start	4147	End	4419
GI	none	Score	250
Exons	4147..4311, 4147..4329, 4148..4330, 4170..4337, 4375..4419, 4375..4413		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o56.tc	Method	TBLASTX:Cress
Start	4922	End	5248
GI	none	Score	41
Exons	4922..4972, 4925..4972, 4970..5041, 5038..5085, 5075..5221, 5077..5196, 5087..5248		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o17.tm	Method	TBLASTX:Maize
Start	4999	End	5571
GI	none	Score	79
Exons	4999..5040, 5000..5041, 5015..5086, 5034..5081, 5071..5247, 5075..5248, 5079..5255, 5224..5454, 5226..5453, 5263..5331, 5284..5337, 5286..5333, 5446..5490, 5449..5493, 5476..5565, 5482..5571		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o25.tw	Method	TBLASTX:Wheat
Start	5038	End	5236
GI	none	Score	50
Exons	5038..5085, 5075..5236, 5077..5196, 5087..5230		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o21.tw	Method	TBLASTX:Wheat
Start	5284	End	5868
GI	none	Score	83
Exons	5284..5355, 5284..5331, 5285..5356, 5286..5333, 5353..5376, 5354..5374, 5377..5457, 5389..5454, 5437..5475, 5470..5511, 5479..5508, 5604..5690, 5612..5707, 5617..5694, 5672..5740, 5685..5726, 5819..5860, 5821..5868		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14

Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o38.ts	Method	TBLASTX:Soybean
Start	5940	End	6077
GI	none	Score	128
Exons	5940..6068, 5955..6077		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o26.tc	Method	TBLASTX:Cress
Start	7432	End	8002
GI	none	Score	38
Exons	7432..7467, 7437..7466, 7484..7558, 7485..7559, 7609..7881, 7617..7883, 7617..7880, 7619..7882, 7884..8000, 7885..7995, 7895..8002, 7895..8002		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o29.ts	Method	TBLASTX:Soybean
Start	7476	End	7882
GI	none	Score	51
Exons	7476..7550, 7479..7583, 7496..7570, 7498..7593, 7587..7880, 7589..7882, 7618..7881		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o24.tm	Method	TBLASTX:Maize
Start	7497	End	7895
GI	none	Score	542
Exons	7497..7895, 7499..7894		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o41.tm	Method	TBLASTX:Maize
Start	7896	End	8089
GI	none	Score	304
Exons	7896..8081, 7898..8086, 7898..8089		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o24.tc	Method	TBLASTX:Cress
Start	8082	End	8443
GI	none	Score	483
Exons	8082..8441, 8084..8443, 8084..8398, 8098..8442		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o10.ts	Method	TBLASTX:Soybean
Start	8124	End	8955
GI	none	Score	568
Exons	8124..8528, 8126..8398, 8128..8529, 8266..8529, 8388..8534,		

8529..8678, 8530..8685, 8552..8695, 8699..8953, 8711..8953,
8724..8954, 8737..8955

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o37.tc	Method	TBLASTX:Cress
Start	8444	End	8810
GI	none	Score	88
Exons	8444..8524, 8444..8491, 8451..8528, 8451..8534, 8452..8568, 8508..8690, 8529..8678, 8533..8691, 8534..8695, 8552..8695, 8699..8806, 8699..8806, 8718..8807, 8724..8810, 8752..8808		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o16.ts	Method	TBLASTX:Soybean
Start	9052	End	9596
GI	none	Score	227
Exons	9052..9231, 9060..9212, 9062..9232, 9062..9241, 9075..9242, 9194..9376, 9209..9376, 9213..9398, 9369..9407, 9418..9555, 9422..9574, 9422..9556, 9423..9596, 9429..9593		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o41.tc	Method	TBLASTX:Cress
Start	9143	End	9338
GI	none	Score	175
Exons	9143..9337, 9143..9337, 9144..9338, 9144..9338		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o24.ts	Method	TBLASTX:Soybean
Start	9796	End	10211
GI	none	Score	105
Exons	9796..10023, 9801..10025, 9803..10021, 10040..10168, 10040..10174, 10044..10178, 10045..10188, 10175..10210, 10176..10211		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o51.tm	Method	TBLASTX:Maize
Start	9989	End	10592
GI	none	Score	153
Exons	9989..10228, 10044..10331, 10401..10592		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o42.tc	Method	TBLASTX:Cress
Start	10044	End	10601
GI	none	Score	155
Exons	10044..10331, 10082..10228, 10401..10601		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o8.ts	Method	TBLASTX:Soybean
Start	10514	End	11330
GI	none	Score	437
Exons	10514..10726, 10515..10847, 10587..10874, 10702..10875, 10856..10975, 10873..11325, 10875..11330, 10876..11325, 10916..11329		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o25.tc	Method	TBLASTX:Cress
Start	10614	End	11013
GI	none	Score	323
Exons	10614..10853, 10620..10853, 10711..10875, 10882..11013, 10884..11012		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o45.tc	Method	TBLASTX:Cress
Start	11308	End	11589
GI	none	Score	270
Exons	11308..11589, 11315..11461, 11316..11534, 11498..11584		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o34.ts	Method	TBLASTX:Soybean
Start	11415	End	11868
GI	none	Score	43
Exons	11415..11474, 11446..11475, 11476..11601, 11476..11550, 11572..11676, 11589..11828, 11598..11783, 11611..11823, 11824..11868, 11827..11865		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o23.tc	Method	TBLASTX:Cress
Start	11678	End	12101
GI	none	Score	52
Exons	11678..11725, 11679..11783, 11695..12099, 11734..12099, 11832..12101		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o7.tc	Method	TBLASTX:Cress
Start	12111	End	12855
GI	none	Score	314
Exons	12111..12542, 12111..12551, 12112..12558, 12605..12853, 12619..12855, 12621..12854		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-

Start	60009	End	61345
Name	OJ990410_24.9923.C14.o22.ts	Method	TBLASTX:Soybean
Start	12385	End	12827
GI	none	Score	218
Exons	12385..12552, 12420..12551, 12593..12823, 12603..12740, 12610..12825, 12621..12827		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o42.tm	Method	TBLASTX:Maize
Start	12496	End	12829
GI	none	Score	82
Exons	12496..12552, 12498..12551, 12593..12829, 12603..12740, 12610..12828		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o2.ts	Method	TBLASTX:Soybean
Start	12828	End	15791
GI	none	Score	99
Exons	12828..12902, 12832..12906, 12835..12906, 13031..13078, 13035..13079, 13097..13129, 13127..13834, 13128..13487, 13129..13836, 13830..13955, 13831..13980, 13832..13960, 13967..14719, 13980..14720, 13981..14727, 14191..14721, 14720..14875, 14724..14780, 14727..14876, 14734..14877, 14735..14938, 14846..15016, 14871..15014, 14887..15015, 15442..15726, 15443..15724, 15516..15791		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o45.tm	Method	TBLASTX:Maize
Start	12831	End	13327
GI	none	Score	140
Exons	12831..12932, 12832..12936, 12832..12933, 13031..13078, 13035..13079, 13097..13129, 13127..13327, 13129..13326		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o59.tc	Method	TBLASTX:Cress
Start	12867	End	13219
GI	none	Score	81
Exons	12867..12932, 12868..12924, 13040..13090, 13044..13091, 13130..13219, 13132..13218		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o20.tc	Method	TBLASTX:Cress
Start	13222	End	13616
GI	none	Score	595
Exons	13222..13614, 13223..13615, 13545..13616		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14

Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o9.tw	Method	TBLASTX:Wheat
Start	13915	End	14360
GI	none	Score	634
Exons	13915..14358, 13916..14359, 13916..14359, 13917..14360		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o21.tc	Method	TBLASTX:Cress
Start	14060	End	14476
GI	none	Score	387
Exons	14060..14470, 14061..14471, 14061..14474, 14066..14476		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o32.tc	Method	TBLASTX:Cress
Start	14491	End	15006
GI	none	Score	225
Exons	14491..14709, 14492..14728, 14492..14713, 14750..15004, 14815..14997, 14860..15006		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o43.tm	Method	TBLASTX:Maize
Start	14986	End	15347
GI	none	Score	138
Exons	14986..15108, 14993..15133, 14995..15108, 15002..15109, 15005..15079, 15006..15053, 15007..15078, 15023..15079, 15029..15139, 15033..15131, 15037..15084, 15038..15133, 15038..15139, 15042..15143, 15068..15142, 15071..15130, 15075..15161, 15075..15182, 15096..15182, 15114..15170, 15117..15170, 15123..15221, 15123..15170, 15123..15221, 15123..15170, 15165..15329, 15165..15329, 15171..15326, 15189..15344, 15192..15326, 15200..15244, 15207..15347, 15207..15230, 15228..15260, 15234..15299, 15248..15292, 15249..15299, 15251..15328, 15252..15338, 15257..15301, 15285..15347, 15295..15330, 15308..15346		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o8.tm	Method	TBLASTX:Maize
Start	15348	End	16159
GI	none	Score	46
Exons	15348..15386, 15381..15746, 15413..16159, 15413..15745, 15439..16158		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o46.tc	Method	TBLASTX:Cress
Start	15390	End	15688
GI	none	Score	66

Exons	15390..15497, 15413..15688, 15413..15685, 15442..15687		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o4.tw	Method	TBLASTX:Wheat
Start	15613	End	16232
GI	none	Score	42
Exons	15613..15684, 15624..15662, 15650..15910, 15656..15742, 15657..15818, 15811..16230, 15812..16231, 15813..16232		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o30.tc	Method	TBLASTX:Cress
Start	15689	End	16396
GI	none	Score	55
Exons	15689..15724, 15723..15812, 15731..15808, 15800..16066, 15826..16047, 15834..16094, 16060..16164, 16061..16396, 16061..16192, 16250..16387, 16252..16395		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o5.tc	Method	TBLASTX:Cress
Start	16466	End	17611
GI	none	Score	47
Exons	16466..16522, 16474..16566, 16628..16684, 16631..16675, 16679..16753, 16687..16743, 16765..17490, 16766..17497, 17294..17497, 17555..17611, 17557..17610		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o7.ts	Method	TBLASTX:Soybean
Start	16601	End	17676
GI	none	Score	143
Exons	16601..16756, 16622..16756, 16765..17142, 16765..17490, 16766..17557, 17426..17554, 17427..17558, 17537..17599, 17544..17612, 17544..17612, 17557..17616, 17569..17676		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o55.tm	Method	TBLASTX:Maize
Start	16871	End	17009
GI	none	Score	215
Exons	16871..17008, 16871..17008, 16872..17009		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o32.tm	Method	TBLASTX:Maize
Start	17197	End	17491
GI	none	Score	67
Exons	17197..17286, 17205..17252, 17233..17490, 17234..17491		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o10.tw	Method	TBLASTX:Wheat
Start	17248	End	17656
GI	none	Score	632
Exons	17248..17655, 17252..17656, 17291..17656		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o19.tm	Method	TBLASTX:Maize
Start	17492	End	18152
GI	none	Score	276
Exons	17492..17665, 17492..17662, 17493..17663, 17494..17703, 17660..17692, 17698..17739, 17704..17739, 17747..17812, 17747..17812, 17804..17896, 17812..17874, 17814..17897, 17936..18112, 17946..18131, 17949..18131, 18126..18152, 18126..18152		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o18.tc	Method	TBLASTX:Cress
Start	17811	End	18433
GI	none	Score	35
Exons	17811..17831, 17812..17829, 17946..18320, 17948..18322, 17949..18323, 18318..18431, 18319..18432, 18320..18433		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o3.ts	Method	TBLASTX:Soybean
Start	17813	End	41516
GI	none	Score	530
Exons	17813..17836, 17944..18642, 17946..18635, 17948..18664, 17949..18659, 18217..18669, 18675..18716, 18900..19649, 18901..19500, 19555..19650, 20282..20344, 20369..20437, 20414..20701, 20427..20699, 20559..20705, 20726..20794, 21130..21309, 21134..21310, 21134..21310, 21135..21311, 21139..21312, 21390..21413, 21401..21460, 21403..21474, 21406..21459, 21407..21460, 21466..21519, 21467..21520, 21470..21517, 21505..21558, 21507..21590, 21527..21598, 21551..21595, 21617..21664, 21617..21658, 21619..21666, 21624..21659, 21686..21754, 21689..21760, 21696..21755, 21845..21862, 21944..21985, 21951..21980, 22021..22521, 22025..22519, 22541..22576, 22581..23144, 22592..23491, 22771..23424, 23271..23426, 23422..23490, 41157..41516		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o26.tm	Method	TBLASTX:Maize
Start	18152	End	18437
GI	none	Score	475
Exons	18152..18436, 18153..18437, 18153..18437		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o13.tc	Method	TBLASTX:Cress
Start	18889	End	19401
GI	none	Score	58
Exons	18889..18939, 18896..18937, 18927..19376, 18940..19401, 18942..19400		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o36.tm	Method	TBLASTX:Maize
Start	19296	End	19558
GI	none	Score	327
Exons	19296..19556, 19298..19558, 19331..19558		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o40.tm	Method	TBLASTX:Maize
Start	19559	End	19902
GI	none	Score	172
Exons	19559..19681, 19560..19676, 19565..19681, 19668..19802, 19674..19817, 19676..19846, 19693..19830, 19811..19834, 19833..19874, 19834..19875, 19877..19900, 19879..19902		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o12.tm	Method	TBLASTX:Maize
Start	19989	End	20925
GI	none	Score	186
Exons	19989..20156, 20004..20033, 20024..20149, 20026..20157, 20122..20157, 20133..20213, 20166..20264, 20195..20266, 20205..20267, 20241..20333, 20266..20337, 20267..20338, 20269..20337, 20342..20383, 20342..20380, 20369..20425, 20370..20426, 20379..20426, 20407..20493, 20418..20789, 20420..20788, 20558..20812, 20796..20840, 20798..20842, 20826..20924, 20839..20922, 20841..20924, 20842..20925		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o36.tc	Method	TBLASTX:Cress
Start	20393	End	20699
GI	none	Score	328
Exons	20393..20689, 20393..20509, 20394..20699, 20559..20699		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o3.tm	Method	TBLASTX:Maize
Start	20927	End	22593
GI	none	Score	200
Exons	20927..21091, 20927..21028, 21019..21051, 21064..21378, 21076..21378, 21077..21379, 21338..21463, 21348..21461,		

21350..21463, 21463..21555, 21464..21580, 21464..21592,
21471..21602, 21542..21688, 21584..21688, 21585..21689,
21598..21693, 21681..21758, 21682..21762, 21689..21766,
21719..21829, 21722..21835, 21750..21851, 21773..21988,
21809..21934, 21834..21980, 21937..22023, 21991..22521,
22010..22531, 22250..22531, 22526..22579, 22526..22585,
22531..22593

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o19.tc	Method	TBLASTX:Cress
Start	21193	End	22813
GI	none	Score	125
Exons	21193..21291, 21194..21289, 21202..21291, 22117..22491, 22117..22521, 22118..22528, 22581..22805, 22595..22813, 22616..22813		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o13.tw	Method	TBLASTX:Wheat
Start	21311	End	21785
GI	none	Score	183
Exons	21311..21430, 21311..21430, 21427..21474, 21427..21465, 21464..21586, 21464..21586, 21465..21587, 21561..21671, 21590..21673, 21590..21670, 21591..21671, 21669..21719, 21670..21756, 21673..21753, 21674..21760, 21746..21778, 21750..21785		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o6.tw	Method	TBLASTX:Wheat
Start	22009	End	22454
GI	none	Score	120
Exons	22009..22095, 22010..22093, 22023..22103, 22027..22095, 22099..22449, 22101..22439, 22104..22454		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o6.tm	Method	TBLASTX:Maize
Start	22802	End	41565
GI	none	Score	148
Exons	22802..23173, 40242..40370, 40247..40369, 40440..40640, 40440..41036, 40441..41025, 40680..41036, 41037..41279, 41055..41546, 41146..41565		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o1.tc	Method	TBLASTX:Cress
Start	22814	End	41724
GI	none	Score	129
Exons	22814..23173, 39721..39891, 39815..40045, 39816..40055, 39881..40045, 39888..40049, 39976..40059, 40026..40370,		

40047..40370, 40439..40600, 40440..40646, 40440..41723,
40441..41061, 40466..41398, 40686..41477, 41146..41724

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o5.tw	Method	TBLASTX:Wheat
Start	22889	End	41450
GI	none	Score	133
Exons	22889..23185, 40755..41036, 40756..41025, 40761..41030, 41055..41117, 41124..41162, 41173..41442, 41187..41450		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o51.tc	Method	TBLASTX:Cress
Start	23450	End	23590
GI	none	Score	229
Exons	23450..23590, 23452..23589		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o21.ts	Method	TBLASTX:Soybean
Start	23680	End	24140
GI	none	Score	500
Exons	23680..24096, 23681..24133, 23684..24133, 23895..24140		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o28.tc	Method	TBLASTX:Cress
Start	23695	End	24343
GI	none	Score	289
Exons	23695..24138, 23695..24096, 23696..24139, 23699..24139, 23904..24140, 24267..24332, 24271..24342, 24271..24339, 24272..24343		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o29.tc	Method	TBLASTX:Cress
Start	24600	End	25264
GI	none	Score	66
Exons	24600..24653, 24601..24684, 24602..24682, 24710..24907, 24711..24905, 24712..24912, 24713..24907, 24926..25063, 24961..25029, 25170..25262, 25170..25250, 25178..25264		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o1.ts	Method	TBLASTX:Soybean
Start	24929	End	28660
GI	none	Score	123
Exons	24929..25075, 24961..25026, 25136..25264, 25146..25262, 25146..25277, 25159..25278, 25256..26407, 25258..26442, 25258..26442, 27423..27515, 27527..27670, 27545..27634,		

27674..27754, 27798..28139, 27821..28135, 28190..28234,
28256..28660, 28260..28361

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	24947	End	28915
GI	none	Score	151
Exons	24947..25045, 24961..25044, 25048..25107, 25110..25130, 25112..25141, 25125..25184, 25133..25162, 25159..25278, 25160..25264, 25164..25277, 25168..25287, 25256..26407, 25258..26595, 25258..26727, 26364..26717, 26645..26728, 26693..26788, 26698..26805, 26703..26783, 26707..26787, 27527..27670, 27674..27754, 27821..28003, 27821..28135, 27822..28139, 28190..28234, 28256..28660, 28260..28673, 28425..28661, 28667..28837, 28691..28816, 28865..28915		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o6.tc	Method	TBLASTX:Cress
Start	25321	End	28025
GI	none	Score	235
Exons	25321..25488, 25322..25486, 25479..25658, 25485..25868, 25487..25867, 25489..25869, 25490..25870, 27539..27670, 27545..27643, 27680..27754, 27821..28024, 27822..28025		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o2.tc	Method	TBLASTX:Cress
Start	25972	End	29231
GI	none	Score	34
Exons	25972..26001, 25975..26019, 26023..26256, 26026..26430, 26030..26380, 26443..26589, 26444..26596, 26767..26898, 26908..27012, 28025..28840, 28062..28874, 28390..28875, 28830..29018, 28840..29166, 28842..29165, 29055..29168, 29140..29229, 29151..29231		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o13.ts	Method	TBLASTX:Soybean
Start	26442	End	29109
GI	none	Score	163
Exons	26442..26702, 26443..26595, 26443..26916, 26444..26596, 26640..26693, 26645..26917, 26650..26919, 26730..26927, 26730..26918, 28667..28837, 28668..28838, 28842..28889, 28995..29108, 28996..29109		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o54.tc	Method	TBLASTX:Cress
Start	26597	End	26767
GI	none	Score	141

Exons	26597..26755, 26599..26760, 26622..26756, 26644..26766, 26645..26767		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o27.tm	Method	TBLASTX:Maize
Start	26806	End	29117
GI	none	Score	384
Exons	26806..27099, 26806..27099, 26807..27100, 28995..29117, 29017..29109		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o25.ts	Method	TBLASTX:Soybean
Start	26930	End	27175
GI	none	Score	351
Exons	26930..27175, 26930..27025, 26959..27174		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o15.tc	Method	TBLASTX:Cress
Start	27016	End	29531
GI	none	Score	75
Exons	27016..27135, 27017..27136, 27085..27510, 27086..27535, 27089..27535, 27114..27536, 29326..29367, 29376..29465, 29460..29531		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o7.tm	Method	TBLASTX:Maize
Start	27100	End	30379
GI	none	Score	172
Exons	27100..27258, 27256..27327, 29250..29378, 29250..29372, 29260..29373, 29363..29584, 29369..29701, 29370..29729, 29371..29706, 29676..29789, 29692..29736, 29699..29776, 29751..29879, 29765..29881, 29771..29887, 29882..29911, 29883..29912, 29925..29975, 29928..29975, 29953..30057, 29967..30056, 29990..30070, 30054..30125, 30055..30111, 30059..30112, 30106..30186, 30107..30187, 30108..30188, 30108..30188, 30216..30368, 30227..30298, 30228..30365, 30232..30372, 30233..30379		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o20.ts	Method	TBLASTX:Soybean
Start	27175	End	29800
GI	none	Score	356
Exons	27175..27258, 27256..27327, 29382..29699, 29382..29717, 29383..29718, 29383..29718, 29771..29800		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-

Start	60009	End	61345
Name	OJ990410_24.9923.C14.o39.tc	Method	TBLASTX:Cress
Start	29532	End	29800
GI	none	Score	234
Exons	29532..29699, 29532..29699, 29533..29700, 29539..29700, 29694..29777, 29771..29800		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o36.ts	Method	TBLASTX:Soybean
Start	30258	End	31248
GI	none	Score	149
Exons	30258..30413, 30259..30414, 30299..30424, 31130..31246, 31132..31248, 31138..31248		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o49.tc	Method	TBLASTX:Cress
Start	30309	End	30640
GI	none	Score	136
Exons	30309..30449, 30309..30437, 30316..30453, 30425..30490, 30426..30476, 30427..30480, 30428..30481, 30539..30583, 30539..30613, 30543..30614, 30597..30635, 30602..30640		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o30.tm	Method	TBLASTX:Maize
Start	30434	End	30777
GI	none	Score	240
Exons	30434..30589, 30437..30589, 30539..30661, 30578..30697, 30585..30701, 30589..30714, 30591..30698, 30687..30737, 30691..30774, 30694..30756, 30698..30775, 30727..30777		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o31.tc	Method	TBLASTX:Cress
Start	31108	End	31458
GI	none	Score	393
Exons	31108..31365, 31110..31445, 31111..31458		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o4.tm	Method	TBLASTX:Maize
Start	31117	End	32273
GI	none	Score	556
Exons	31117..31365, 31119..31469, 31119..31454, 31319..31471, 31405..31470, 31464..32093, 31469..32098, 31469..32077, 31500..32090, 32047..32250, 32072..32251, 32088..32252, 32088..32252, 32089..32253, 32253..32273, 32255..32272		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-

Start	60009	End	61345
Name	OJ990410_24.9923.C14.o3.tw	Method	TBLASTX:Wheat
Start	31222	End	42879
GI	none	Score	58
Exons	31222..31293, 42194..42322, 42194..42355, 42196..42339, 42313..42411, 42342..42404, 42367..42441, 42405..42833, 42425..42877, 42425..42877, 42454..42879, 42696..42878		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o33.tc	Method	TBLASTX:Cress
Start	31524	End	32262
GI	none	Score	50
Exons	31524..31580, 31536..31574, 31591..31644, 31608..31643, 31608..31739, 31649..31765, 31650..31766, 31654..31773, 31761..31877, 31773..31877, 31774..31887, 31886..31978, 31898..31978, 31900..31983, 32069..32248, 32076..32258, 32076..32258, 32077..32262		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o28.ts	Method	TBLASTX:Soybean
Start	31587	End	32263
GI	none	Score	54
Exons	31587..31643, 31588..31647, 31607..31648, 31620..31742, 31649..31768, 31650..31778, 31821..31856, 31831..31854, 31890..31916, 31897..31971, 31917..31988, 31931..31975, 31983..32009, 31987..32010, 32088..32255, 32089..32256, 32089..32256, 32102..32263		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o34.tm	Method	TBLASTX:Maize
Start	32443	End	32825
GI	none	Score	290
Exons	32443..32727, 32461..32730, 32616..32735, 32726..32815, 32729..32815, 32730..32825, 32730..32816		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o16.tm	Method	TBLASTX:Maize
Start	32906	End	33448
GI	none	Score	97
Exons	32906..32989, 32906..32959, 32907..32987, 32908..32988, 32989..33141, 32990..33415, 32993..33421, 33214..33417, 33413..33448		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o15.tw	Method	TBLASTX:Wheat
Start	33076	End	33476
GI	none	Score	101

Exons	33076..33114, 33125..33193, 33132..33194, 33138..33194, 33153..33476, 33182..33475		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o9.tc	Method	TBLASTX:Cress
Start	33203	End	34200
GI	none	Score	696
Exons	33203..33832, 33204..33833, 33213..33833, 33214..33846, 33703..33837, 33851..33922, 33852..33899, 34065..34184, 34097..34186, 34104..34181, 34105..34200, 34105..34191		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o17.ts	Method	TBLASTX:Soybean
Start	33428	End	33931
GI	none	Score	454
Exons	33428..33829, 33429..33830, 33429..33830, 33736..33831, 33875..33931		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o44.tm	Method	TBLASTX:Maize
Start	33709	End	33966
GI	none	Score	173
Exons	33709..33822, 33710..33823, 33711..33851, 33817..33909, 33819..33932, 33821..33931, 33822..33944, 33823..33942, 33940..33966, 33941..33964, 33942..33965		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o14.tm	Method	TBLASTX:Maize
Start	34560	End	35548
GI	none	Score	78
Exons	34560..34673, 34592..34675, 34668..34829, 34670..34828, 34671..34841, 34821..35051, 34822..35052, 34825..35061, 34826..35062, 35058..35093, 35061..35180, 35062..35091, 35085..35177, 35086..35184, 35096..35188, 35260..35307, 35267..35365, 35268..35366, 35360..35422, 35361..35429, 35361..35438, 35362..35430, 35415..35546, 35438..35548, 35438..35542, 35440..35547		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o37.ts	Method	TBLASTX:Soybean
Start	34913	End	35180
GI	none	Score	165
Exons	34913..35062, 34935..35096, 34952..35062, 35052..35102, 35058..35180, 35059..35175, 35084..35176		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-

Start	60009	End	61345
Name	OJ990410_24.9923.C14.o23.tw	Method	TBLASTX:Wheat
Start	34937	End	35199
GI	none	Score	176
Exons	34937..35125, 34944..35054, 34945..35061, 35041..35094, 35060..35101, 35113..35199, 35125..35199		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o60.tc	Method	TBLASTX:Cress
Start	35399	End	35577
GI	none	Score	144
Exons	35399..35575, 35405..35557, 35409..35564, 35409..35576, 35554..35577		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o2.tm	Method	TBLASTX:Maize
Start	36167	End	38869
GI	none	Score	68
Exons	36167..36217, 36167..36217, 36168..36227, 36216..36287, 36220..36288, 36230..36259, 36285..36944, 36291..36926, 36924..36962, 36931..37140, 36935..37150, 36966..37157, 36967..37137, 36974..37138, 37123..37647, 37126..37509, 37127..37678, 37127..37657, 37128..37658, 37661..37972, 37683..38183, 37699..38184, 37978..38184, 38181..38342, 38186..38368, 38187..38369, 38378..38422, 38399..38452, 38399..38428, 38404..38451, 38445..38471, 38449..38472, 38502..38564, 38504..38566, 38519..38566, 38538..38660, 38571..38615, 38587..38709, 38594..38695, 38694..38756, 38695..38754, 38751..38777, 38756..38869, 38758..38868		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o12.tc	Method	TBLASTX:Cress
Start	36374	End	36851
GI	none	Score	463
Exons	36374..36841, 36375..36842, 36375..36851, 36505..36849		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o14.ts	Method	TBLASTX:Soybean
Start	36426	End	36876
GI	none	Score	383
Exons	36426..36860, 36426..36860, 36502..36876		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o8.tc	Method	TBLASTX:Cress
Start	36938	End	37655
GI	none	Score	146
Exons	36938..37126, 36963..37127, 36964..37230, 37117..37188,		

37175..37231, 37224..37394, 37225..37647, 37226..37654,
37341..37655

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o11.ts	Method	TBLASTX:Soybean
Start	37006	End	37690
GI	none	Score	778
Exons	37006..37647, 37007..37690, 37007..37654		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o2.tw	Method	TBLASTX:Wheat
Start	37093	End	37624
GI	none	Score	697
Exons	37093..37623, 37094..37624		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o27.tc	Method	TBLASTX:Cress
Start	37686	End	38085
GI	none	Score	251
Exons	37686..37718, 37734..37958, 37735..38085, 37735..38079, 37767..38081, 38018..38083		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o23.ts	Method	TBLASTX:Soybean
Start	37692	End	38025
GI	none	Score	306
Exons	37692..37967, 37693..38025, 37695..38024		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o31.ts	Method	TBLASTX:Soybean
Start	38777	End	39446
GI	none	Score	137
Exons	38777..38881, 38778..38897, 38779..38865, 38817..38882, 38841..38927, 38849..38923, 38861..38935, 38916..39050, 38934..38963, 38969..39067, 38985..39059, 38986..39099, 39052..39123, 39077..39145, 39105..39137, 39147..39182, 39147..39182, 39276..39308, 39277..39306, 39364..39435, 39379..39438, 39381..39446		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o47.tc	Method	TBLASTX:Cress
Start	38798	End	39354
GI	none	Score	88
Exons	38798..38866, 38800..38865, 38817..38867, 38826..38867, 38861..38923, 38861..38938, 38862..38933, 38997..39059,		

39000..39038, 39046..39270, 39052..39159, 39144..39209,
39277..39306, 39316..39354

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o15.tm	Method	TBLASTX:Maize
Start	38954	End	39586
GI	none	Score	470
Exons	38954..39286, 38955..39287, 38956..39285, 39235..39288, 39282..39536, 39283..39489, 39521..39586		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o33.tm	Method	TBLASTX:Maize
Start	39754	End	40138
GI	none	Score	131
Exons	39754..39891, 39755..40084, 39794..40084, 39976..40101, 40069..40137, 40091..40138		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o4.ts	Method	TBLASTX:Soybean
Start	39815	End	41125
GI	none	Score	69
Exons	39815..40204, 39816..40370, 39817..39891, 39899..40366, 39906..40370, 40439..40600, 40440..41123, 40441..41061, 40481..41125		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o20.tw	Method	TBLASTX:Wheat
Start	40274	End	40667
GI	none	Score	115
Exons	40274..40369, 40440..40667, 40441..40644		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o33.ts	Method	TBLASTX:Soybean
Start	41517	End	42211
GI	none	Score	184
Exons	41517..41720, 41517..41720, 41518..41721, 42155..42211		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o39.tm	Method	TBLASTX:Maize
Start	41565	End	41818
GI	none	Score	261
Exons	41565..41744, 41567..41776, 41767..41796, 41767..41796, 41801..41818		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14

Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o12.tw	Method	TBLASTX:Wheat
Start	41594	End	42026
GI	none	Score	215
Exons	41594..41743, 41594..41689, 41596..41772, 41596..41733, 41695..41805, 41740..41826, 41741..41815, 41804..42025, 41813..41992, 41817..42026		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o54.tm	Method	TBLASTX:Maize
Start	41819	End	42009
GI	none	Score	199
Exons	41819..41956, 41819..41956, 41820..41981, 41821..41958, 41949..42005, 41953..42009, 41955..42008		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o35.tm	Method	TBLASTX:Maize
Start	42151	End	42460
GI	none	Score	186
Exons	42151..42273, 42155..42274, 42250..42360, 42259..42315, 42261..42338, 42263..42358, 42264..42368, 42333..42458, 42335..42460, 42377..42460		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o9.ts	Method	TBLASTX:Soybean
Start	42434	End	43137
GI	none	Score	1013
Exons	42434..43120, 42434..43135, 42457..43137, 42622..43137		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o17.tc	Method	TBLASTX:Cress
Start	42443	End	42919
GI	none	Score	41
Exons	42443..42475, 42477..42827, 42478..42900, 42479..42919, 42482..42919		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o9.tm	Method	TBLASTX:Maize
Start	42461	End	43207
GI	none	Score	436
Exons	42461..43159, 42471..42833, 42473..43201, 43157..43207		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o19.tw	Method	TBLASTX:Wheat

Start	42880	End	43062
GI	none	Score	319
Exons	42880..43062, 42881..43060		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o1.tw	Method	TBLASTX:Wheat
Start	43205	End	43957
GI	none	Score	926
Exons	43205..43951, 43206..43907, 43206..43952, 43211..43957		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o48.tm	Method	TBLASTX:Maize
Start	43210	End	43498
GI	none	Score	205
Exons	43210..43494, 43211..43498, 43215..43493		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o58.tc	Method	TBLASTX:Cress
Start	43442	End	43589
GI	none	Score	156
Exons	43442..43564, 43443..43589, 43444..43578		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o21.tm	Method	TBLASTX:Maize
Start	43552	End	44088
GI	none	Score	310
Exons	43552..43911, 43561..43767, 43574..43921, 43577..43921, 44029..44088, 44033..44086		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o35.tc	Method	TBLASTX:Cress
Start	43672	End	43941
GI	none	Score	353
Exons	43672..43803, 43673..43939, 43673..43939, 43674..43940, 43840..43941		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o26.ts	Method	TBLASTX:Soybean
Start	44977	End	47468
GI	none	Score	136
Exons	44977..45198, 44995..45114, 45036..45155, 45659..45796, 45661..45750, 45671..45757, 45672..45758, 46118..46279, 46123..46263, 46267..46470, 46275..46316, 46301..46516, 46301..46513, 46536..46598, 46539..46598, 46547..46603, 46625..46684, 46625..46690, 46997..47065, 47009..47068,		

47011..47073, 47090..47464, 47094..47468, 47100..47204,
47120..47467, 47283..47468

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o25.tm	Method	TBLASTX:Maize
Start	45613	End	46043
GI	none	Score	273

Exons 45613..45792, 45619..45792, 45795..45893, 45796..45894,
45796..45909, 45882..45959, 45890..45961, 45893..45961,
45895..45981, 45918..45962, 45929..46027, 45929..46027,
45951..46028, 45954..46043, 45958..46029

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o10.tc	Method	TBLASTX:Cress
Start	46124	End	47464
GI	none	Score	699

Exons 46124..46609, 46126..46614, 46127..46615, 46549..46617,
46596..46685, 46601..46684, 47012..47086, 47086..47445,
47087..47464, 47091..47462

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o18.tm	Method	TBLASTX:Maize
Start	46281	End	46878
GI	none	Score	37

Exons 46281..46304, 46282..46314, 46283..46315, 46293..46691,
46298..46693, 46300..46701, 46301..46693, 46787..46810,
46788..46811, 46806..46853, 46807..46854, 46809..46853,
46846..46878, 46850..46870

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o5.ts	Method	TBLASTX:Soybean
Start	47472	End	49008
GI	none	Score	332

Exons 47472..47789, 47492..47797, 48018..48227, 48024..49007,
48025..49008

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o52.tc	Method	TBLASTX:Cress
Start	47484	End	47701
GI	none	Score	228

Exons 47484..47699, 47486..47701

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o3.tc	Method	TBLASTX:Cress
Start	47702	End	48968

GI	none	Score	91
Exons	47702..47782, 47703..47774, 48004..48804, 48018..48227, 48025..48813, 48910..48966, 48910..48966, 48918..48968		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o14.tw	Method	TBLASTX:Wheat
Start	47793	End	48219
GI	none	Score	39
Exons	47793..47819, 47794..47829, 47795..47833, 47823..47894, 47824..47943, 47839..47964, 47879..48091, 47897..48061, 47899..48090, 47991..48092, 48094..48219, 48097..48216, 48099..48218		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o20.tm	Method	TBLASTX:Maize
Start	47845	End	48325
GI	none	Score	58
Exons	47845..47883, 47847..47891, 47880..48227, 47881..48324, 47885..48325		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o46.tm	Method	TBLASTX:Maize
Start	48326	End	48494
GI	none	Score	273
Exons	48326..48493, 48327..48494, 48328..48492		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o24.tw	Method	TBLASTX:Wheat
Start	48551	End	48667
GI	none	Score	205
Exons	48551..48667, 48553..48666		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o16.tw	Method	TBLASTX:Wheat
Start	48786	End	49113
GI	none	Score	377
Exons	48786..49049, 48793..49113, 48793..49113		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o40.tc	Method	TBLASTX:Cress
Start	49932	End	50269
GI	none	Score	273
Exons	49932..50177, 49935..50177, 50216..50269, 50217..50267		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14

Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o31.tm	Method	TBLASTX:Maize
Start	49986	End	50269
GI	none	Score	364
Exons	49986..50201, 49986..50240, 49987..50229, 50201..50269, 50202..50267, 50203..50268		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o7.tw	Method	TBLASTX:Wheat
Start	50222	End	50663
GI	none	Score	669
Exons	50222..50647, 50223..50663		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o14.tc	Method	TBLASTX:Cress
Start	50308	End	50886
GI	none	Score	89
Exons	50308..50361, 50309..50365, 50310..50366, 50310..50366, 50364..50495, 50367..50495, 50368..50496, 50369..50497, 50498..50779, 50501..50767, 50502..50780, 50503..50775, 50503..50784, 50779..50811, 50783..50812, 50815..50886, 50819..50881		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o58.tm	Method	TBLASTX:Maize
Start	50728	End	50880
GI	none	Score	89
Exons	50728..50781, 50728..50775, 50729..50797, 50776..50835, 50783..50836, 50783..50836, 50836..50880, 50839..50880		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o17.tw	Method	TBLASTX:Wheat
Start	50741	End	51142
GI	none	Score	86
Exons	50741..50815, 50742..50792, 50743..50793, 50762..50977, 50774..50977, 50971..51117, 50996..51139, 51017..51142		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o57.tm	Method	TBLASTX:Maize
Start	50934	End	51324
GI	none	Score	64
Exons	50934..50987, 50938..50994, 50939..50992, 50967..51059, 50999..51055, 51053..51094, 51071..51133, 51074..51136, 51140..51217, 51141..51212, 51141..51221, 51142..51213, 51224..51316, 51247..51324, 51249..51311		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o11.tw	Method	TBLASTX:Wheat
Start	51504	End	52100
GI	none	Score	136
Exons	51504..51632, 51508..51633, 51509..51604, 51511..51633, 51657..51698, 51672..51737, 51691..51774, 51696..51773, 51748..51825, 51777..51824, 51777..51827, 51778..51825, 51810..51935, 51811..51936, 51815..51934, 51823..51936, 51924..52100, 51929..52099		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o13.tm	Method	TBLASTX:Maize
Start	51666	End	52409
GI	none	Score	139
Exons	51666..51824, 51691..51816, 51693..51842, 51698..51838, 51811..51897, 51812..51895, 51891..52061, 51891..52061, 51893..52063, 52078..52110, 52079..52132, 52105..52131, 52113..52142, 52128..52199, 52129..52236, 52130..52198, 52131..52205, 52193..52375, 52194..52409, 52196..52402, 52197..52403		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o48.tc	Method	TBLASTX:Cress
Start	51993	End	52335
GI	none	Score	74
Exons	51993..52079, 51995..52060, 52135..52200, 52138..52200, 52200..52334, 52210..52335, 52221..52331		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o35.ts	Method	TBLASTX:Soybean
Start	52135	End	52350
GI	none	Score	146
Exons	52135..52200, 52194..52343, 52194..52349, 52195..52350		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o18.tw	Method	TBLASTX:Wheat
Start	52871	End	53259
GI	none	Score	83
Exons	52871..52930, 52871..52930, 52872..52949, 52913..52951, 52927..52950, 52974..53222, 52978..53244, 52984..53259		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o28.tm	Method	TBLASTX:Maize
Start	52955	End	53271
GI	none	Score	380

Exons	52955..53251, 52956..53264, 52957..53271, 52957..53271		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o32.ts	Method	TBLASTX:Soybean
Start	53030	End	54393
GI	none	Score	168
Exons	53030..53137, 53032..53184, 53032..53184, 53580..53744, 53590..53820, 53603..53833, 53617..53820, 54083..54154, 54085..54147, 54091..54135, 54142..54204, 54214..54384, 54216..54380, 54216..54389, 54232..54393		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o53.tc	Method	TBLASTX:Cress
Start	53033	End	53193
GI	none	Score	165
Exons	53033..53137, 53033..53179, 53035..53184, 53035..53193		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o37.tm	Method	TBLASTX:Maize
Start	53454	End	53791
GI	none	Score	94
Exons	53454..53537, 53544..53753, 53555..53791, 53587..53787, 53597..53791		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o44.tc	Method	TBLASTX:Cress
Start	53603	End	54536
GI	none	Score	280
Exons	53603..53821, 53620..53820, 54088..54135, 54112..54204, 54216..54380, 54216..54380, 54232..54393, 54438..54536		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o50.tc	Method	TBLASTX:Cress
Start	55135	End	55712
GI	none	Score	37
Exons	55135..55164, 55200..55232, 55204..55233, 55226..55285, 55239..55286, 55322..55408, 55323..55397, 55324..55398, 55413..55451, 55414..55512, 55415..55558, 55497..55559, 55595..55639, 55598..55639, 55668..55712		
Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o27.ts	Method	TBLASTX:Soybean
Start	55231	End	56280
GI	none	Score	73
Exons	55231..55281, 55239..55289, 55315..55356, 55319..55396,		

55320..55346, 55358..55402, 55392..55460, 55413..55457,
55414..55467, 55457..55522, 55463..55555, 55464..55556,
55497..55568, 55651..55716, 55658..55711, 55764..55925,
55767..55943, 55792..55926, 55928..55972, 55946..55972,
56123..56278, 56123..56278, 56131..56280, 56133..56279

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o50.tm	Method	TBLASTX:Maize
Start	55622	End	55810
GI	none	Score	62
Exons	55622..55648, 55624..55650, 55624..55650, 55650..55808, 55652..55810, 55654..55809		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o5.tm	Method	TBLASTX:Maize
Start	55811	End	56817
GI	none	Score	230
Exons	55811..55939, 55812..55943, 55812..55943, 55813..55944, 55813..55944, 55931..55975, 55937..55975, 55976..55999, 55977..56003, 55977..56003, 56006..56815, 56011..56817, 56012..56794		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o19.ts	Method	TBLASTX:Soybean
Start	56282	End	56772
GI	none	Score	374
Exons	56282..56710, 56292..56711, 56293..56730, 56539..56730, 56749..56772		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o22.tc	Method	TBLASTX:Cress
Start	56300	End	56730
GI	none	Score	351
Exons	56300..56710, 56301..56711, 56344..56730		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o29.tm	Method	TBLASTX:Maize
Start	57028	End	57318
GI	none	Score	167
Exons	57028..57144, 57028..57144, 57135..57317, 57147..57314, 57148..57318		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o57.tc	Method	TBLASTX:Cress
Start	57197	End	57476

GI	none	Score	166
Exons	57197..57469, 57210..57476		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o16.tc	Method	TBLASTX:Cress
Start	57653	End	58164
GI	none	Score	206
Exons	57653..57799, 57654..57821, 57660..57800, 57795..58013, 57796..58014, 57798..58013, 57948..58163, 57997..58164		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o8.tw	Method	TBLASTX:Wheat
Start	57761	End	58193
GI	none	Score	369
Exons	57761..57805, 57762..58013, 57762..58004, 57839..58015, 57948..58193, 57997..58191		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o53.tm	Method	TBLASTX:Maize
Start	57798	End	58007
GI	none	Score	221
Exons	57798..57938, 57799..57936, 57942..58007		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o15.ts	Method	TBLASTX:Soybean
Start	57870	End	58315
GI	none	Score	179
Exons	57870..58013, 57870..58004, 57872..58015, 57948..58310, 57997..58311, 58214..58315		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o22.tm	Method	TBLASTX:Maize
Start	58010	End	58325
GI	none	Score	567
Exons	58010..58177, 58011..58325, 58012..58323		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o11.tc	Method	TBLASTX:Cress
Start	58165	End	58614
GI	none	Score	761
Exons	58165..58614, 58165..58614		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345

Name	OJ990410_24.9923.C14.o4.tc	Method	TBLASTX:Cress
Start	58699	End	61345
GI	none	Score	75
Exons	58699..58782, 58702..58779, 58704..58784, 58816..58896, 58895..59017, 58896..59006, 58896..59024, 58897..59010, 59049..59246, 59053..59256, 59053..59250, 59257..59283, 59258..59296, 59290..59463, 59295..59525, 59295..59525, 59296..59538, 59503..59529, 59609..59635, 60466..60960, 60469..61116, 60471..61133, 60477..61115, 61169..61240, 61171..61239, 61174..61248, 61292..61345, 61292..61345		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o18.ts	Method	TBLASTX:Soybean
Start	58983	End	59661
GI	none	Score	35
Exons	58983..59006, 59022..59201, 59044..59202, 59164..59232, 59238..59297, 59249..59287, 59290..59463, 59295..59525, 59295..59525, 59302..59538, 59503..59529, 59610..59660, 59610..59660, 59611..59661		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o10.tm	Method	TBLASTX:Maize
Start	59068	End	59832
GI	none	Score	785
Exons	59068..59574, 59068..59463, 59219..59581, 59292..59579, 59480..59590, 59559..59636, 59570..59635, 59570..59641, 59611..59640, 59628..59678, 59628..59678, 59629..59679, 59669..59800, 59680..59712, 59684..59764, 59758..59799, 59806..59832		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o22.tw	Method	TBLASTX:Wheat
Start	59150	End	59399
GI	none	Score	240
Exons	59150..59317, 59151..59315, 59152..59319, 59292..59318, 59318..59386, 59319..59387, 59319..59399, 59320..59388		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o6.ts	Method	TBLASTX:Soybean
Start	60008	End	61208
GI	none	Score	57
Exons	60008..60061, 60068..60106, 60387..60431, 60388..60450, 60388..60447, 60427..61143, 60439..60960, 60477..61142, 61172..61201, 61173..61208		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o29.gp	Method	AAT/GAP

Start	60009	End	60172
GI	uC-osflcyp084g07a1	Score	201
Exons	60009..60172		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22639	Strand	-
Start	60009	End	61345
Name	OJ990410_24.9923.C14.o11.tm	Method	TBLASTX:Maize
Start	60472	End	61116
GI	none	Score	967
Exons	60472..61116, 60475..60942, 60534..61115		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22640	Strand	
Start	61282	End	61522
Name	OJ990410_24.9923.C14.o38.tm	Method	TBLASTX:Maize
Start	61282	End	61522
GI	none	Score	290
Exons	61282..61476, 61283..61474, 61478..61522, 61479..61520		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22641	Strand	
Start	61431	End	62994
Name	OJ990410_24.9923.C14.o12.ts	Method	TBLASTX:Soybean
Start	61431	End	62994
GI	none	Score	75
Exons	61431..61523, 61431..61550, 61526..61672, 61582..61671, 61688..61714, 61791..61838, 61797..61838, 61950..62405, 61968..62537, 61975..62514, 61975..62541, 61985..62539, 62445..62543, 62562..62642, 62585..62641, 62797..62994, 62800..62988		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22641	Strand	
Start	61431	End	62994
Name	OJ990410_24.9923.C14.o34.tc	Method	TBLASTX:Cress
Start	61967	End	62214
GI	none	Score	367
Exons	61967..62062, 61968..62213, 61981..62214		

Seq. No.	10652	Seq. ID	OJ990410_24.9923.C14
Gene No.	22641	Strand	
Start	61431	End	62994
Name	OJ990410_24.9923.C14.o38.tc	Method	TBLASTX:Cress
Start	62215	End	62420
GI	none	Score	316
Exons	62215..62418, 62215..62418, 62217..62420		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22642	Strand	+
Start	3475	End	4579
Name	OJ990410_24.9923.C15.o5.gp	Method	AAT/GAP
Start	3475	End	4579
GI	2291_1.R1084	Score	2093
Exons	3475..4579		

GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		
Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22643	Strand	+
Start	4594	End	5805
Name	OJ990410_24.9923.C15.o6.gp	Method	AAT/GAP
Start	4594	End	5805
GI	3073_1.R1084	Score	2353
Exons	4594..5805		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		
Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22644	Strand	-
Start	1	End	495
Name	OJ990410_24.9923.C15.o1.gp	Method	AAT/GAP
Start	1	End	495
GI	2798177	Score	896
Exons	1..495		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		
Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22645	Strand	-
Start	1278	End	1668
Name	OJ990410_24.9923.C15.o2.gp	Method	AAT/GAP
Start	1278	End	1668
GI	5003883	Score	782
Exons	1278..1668		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		
Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22646	Strand	-
Start	2239	End	2824
Name	OJ990410_24.9923.C15.o3.gp	Method	AAT/GAP
Start	2239	End	2824
GI	481_1.R1084	Score	1023
Exons	2239..2824		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		
Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o4.tm	Method	TBLASTX:Maize
Start	1	End	305

GI	none	Score	442
Exons	1..105, 2..304, 3..305		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o2.ts	Method	TBLASTX:Soybean
Start	2	End	397
GI	none	Score	451
Exons	2..397, 3..368		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o1.tc	Method	TBLASTX:Cress
Start	125	End	712
GI	none	Score	295
Exons	125..397, 129..368, 380..439, 412..456, 412..456, 439..612, 445..579, 453..614, 453..623, 482..637, 614..712, 615..710, 616..711		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o8.tm	Method	TBLASTX:Maize
Start	313	End	575
GI	none	Score	51
Exons	313..387, 332..391, 333..371, 334..387, 441..569, 454..570, 454..570, 456..575, 482..574		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o5.tm	Method	TBLASTX:Maize
Start	592	End	879
GI	none	Score	188
Exons	592..705, 593..709, 593..709, 707..877, 708..878, 709..879, 710..877		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o4.ts	Method	TBLASTX:Soybean
Start	667	End	919
GI	none	Score	91
Exons	667..759, 667..837, 668..838, 677..838, 818..919, 819..911, 823..912		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	880	End	2397
GI	none	Score	38
Exons	880..912, 881..931, 904..987, 924..986, 943..1014, 998..1015, 1032..1271, 1035..1256, 1054..1272, 1278..1556, 1279..1557, 1295..1558, 1299..1559, 1307..1357, 1331..1609, 1342..1620,		

1564..1605, 1565..1603, 1567..1647, 1655..1699, 1660..1713,
1662..1712, 1731..1814, 1732..2379, 1732..2262, 1751..2395,
1962..2396, 2335..2397

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o5.ts	Method	TBLASTX:Soybean
Start	1364	End	1553
GI	none	Score	174
Exons	1364..1549, 1365..1553		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o2.tw	Method	TBLASTX:Wheat
Start	1655	End	2113
GI	none	Score	45
Exons	1655..1699, 1661..1699, 1662..1712, 1710..1730, 1732..2106, 1751..2104, 1751..2113, 1836..2105		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o1.ts	Method	TBLASTX:Soybean
Start	1744	End	5805
GI	none	Score	158
Exons	1744..1908, 1744..1956, 1751..1960, 1751..1978, 1951..2157, 1967..2158, 1971..2279, 1973..2194, 2192..2218, 2235..2300, 2286..2588, 2297..2587, 2406..2600, 2576..2677, 2583..2702, 2763..2996, 2779..3141, 2779..3174, 2793..3182, 2798..3184, 3045..3179, 4407..4547, 4408..4788, 4409..4777, 4792..4899, 4963..5112, 4963..5112, 4964..5122, 5022..5117, 5107..5136, 5725..5805		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o2.tc	Method	TBLASTX:Cress
Start	1744	End	2264
GI	none	Score	156
Exons	1744..1956, 1747..1917, 1751..1948, 1951..2160, 1964..2158, 1973..2167, 1978..2166, 2182..2223, 2183..2215, 2226..2264		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o5.tw	Method	TBLASTX:Wheat
Start	2185	End	2549
GI	none	Score	60
Exons	2185..2220, 2185..2220, 2186..2224, 2194..2262, 2204..2260, 2206..2262, 2271..2549, 2271..2546, 2288..2548		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o5.tc	Method	TBLASTX:Cress

Start	2290	End	2677
GI	none	Score	114
Exons	2290..2490, 2291..2494, 2298..2495, 2495..2542, 2495..2587, 2496..2588, 2563..2595, 2576..2677, 2583..2675		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o3.tm	Method	TBLASTX:Maize
Start	2438	End	4277
GI	none	Score	75
Exons	2438..2482, 2439..2483, 2483..3184, 2484..3179, 4221..4277		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o3.tw	Method	TBLASTX:Wheat
Start	2702	End	3093
GI	none	Score	80
Exons	2702..2755, 2704..2754, 2706..2759, 2709..3092, 2710..3093		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o3.tc	Method	TBLASTX:Cress
Start	2711	End	3184
GI	none	Score	48
Exons	2711..2743, 2817..2882, 2862..3182, 2863..3138, 2873..3184, 2877..3176		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o6.tw	Method	TBLASTX:Wheat
Start	3125	End	3530
GI	none	Score	131
Exons	3125..3199, 3126..3200, 3170..3295, 3196..3300, 3200..3295, 3205..3330, 3314..3337, 3316..3339, 3338..3385, 3370..3450, 3381..3443, 3497..3529, 3498..3530		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o4.gp	Method	AAT/GAP
Start	3129	End	3392
GI	LIB3432-015-P1-K1-H8	Score	450
Exons	3129..3392		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o7.tm	Method	TBLASTX:Maize
Start	3494	End	3758
GI	none	Score	350
Exons	3494..3742, 3495..3743, 3502..3756, 3504..3758, 3505..3750		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o4.tc	Method	TBLASTX:Cress
Start	3533	End	4767
GI	none	Score	49
Exons	3533..3574, 3541..3561, 3593..3655, 3611..3655, 3648..3737, 3649..3738, 3652..3744, 3863..3901, 3865..3891, 3999..4061, 4040..4102, 4213..4254, 4224..4271, 4344..4586, 4351..4722, 4393..4767, 4394..4750		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o4.tw	Method	TBLASTX:Wheat
Start	3617	End	4251
GI	none	Score	196
Exons	3617..3829, 3618..3767, 3742..3825, 3823..3927, 3830..3925, 3853..3927, 3882..3935, 3937..4146, 3945..4124, 4004..4174, 4014..4184, 4028..4174, 4204..4251, 4218..4250		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o6.tm	Method	TBLASTX:Maize
Start	3850	End	4181
GI	none	Score	60
Exons	3850..3894, 3851..3919, 3859..3891, 3884..3925, 3888..3926, 3888..3986, 3889..4146, 3979..4059, 4016..4174, 4017..4124, 4020..4181, 4028..4162, 4114..4173		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o2.tm	Method	TBLASTX:Maize
Start	4321	End	5805
GI	none	Score	37
Exons	4321..4353, 4330..4902, 4332..4550, 4345..4743, 4352..4900, 4795..4902, 4855..5133, 4897..5136, 4904..5134, 5116..5475, 5128..5466, 5147..5503, 5456..5575, 5465..5575, 5523..5633, 5567..5635, 5584..5634, 5586..5639, 5663..5722, 5666..5716, 5707..5805, 5708..5803, 5710..5805		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o1.tw	Method	TBLASTX:Wheat
Start	4803	End	5569
GI	none	Score	137
Exons	4803..4898, 4804..5136, 4804..5133, 5167..5475, 5173..5466, 5174..5503, 5449..5553, 5449..5553, 5456..5569, 5465..5566		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o6.tc	Method	TBLASTX:Cress

Start	4999	End	5466
GI	none	Score	129
Exons	4999..5109, 5006..5110, 5013..5111, 5160..5267, 5182..5466, 5191..5466		

Seq. No.	10653	Seq. ID	OJ990410_24.9923.C15
Gene No.	22647	Strand	-
Start	3129	End	5805
Name	OJ990410_24.9923.C15.o3.ts	Method	TBLASTX:Soybean
Start	5189	End	5475
GI	none	Score	134
Exons	5189..5419, 5191..5469, 5202..5456, 5203..5475		

Seq. No.	10654	Seq. ID	OJ990410_24.9923.C18
Gene No.	22648	Strand	
Start	1	End	310
Name	OJ990410_24.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	310
GI	none	Score	56
Exons	1..33, 3..98, 3..104, 13..294, 94..285, 95..310, 96..305		

Seq. No.	10654	Seq. ID	OJ990410_24.9923.C18
Gene No.	22648	Strand	
Start	1	End	310
Name	OJ990410_24.9923.C18.o1.tw	Method	TBLASTX:Wheat
Start	80	End	298
GI	none	Score	349
Exons	80..298, 80..298		

Seq. No.	10654	Seq. ID	OJ990410_24.9923.C18
Gene No.	22649	Strand	
Start	247	End	580
Name	OJ990410_24.9923.C18.o1.tc	Method	TBLASTX:Cress
Start	247	End	580
GI	none	Score	55
Exons	247..294, 247..285, 342..449, 346..423, 357..449, 423..572, 424..579, 425..580, 425..580		

Seq. No.	10655	Seq. ID	OJ990410_24.9923.C19
Gene No.	22650	Strand	+
Start	1	End	262
Name	OJ990410_24.9923.C19.o1.gp	Method	AAT/GAP
Start	1	End	262
GI	1629_2.R1084	Score	496
Exons	1..262		
GI Descrip.	'1245217/gb|U49840|OSU49840 1.0e-170 Oryza sativa subsp. indica large ribosomal RNA gene, chloroplast gene encoding chloroplast rRNA, partial sequence'		

Seq. No.	10655	Seq. ID	OJ990410_24.9923.C19
Gene No.	22650	Strand	+
Start	1	End	262
Name	OJ990410_24.9923.C19.o1.ts	Method	TBLASTX:Soybean
Start	1	End	262
GI	none	Score	226
Exons	1..126, 2..130, 3..131, 3..134, 116..190, 122..238, 132..248, 136..255, 191..262, 229..261		

Seq. No.	10655	Seq. ID	OJ990410_24.9923.C19
Gene No.	22650	Strand	+
Start	1	End	262
Name	OJ990410_24.9923.C19.o1.tc	Method	TBLASTX:Cress
Start	2	End	262
GI	none	Score	229
Exons	2..130, 3..131, 3..134, 116..190, 122..262, 132..260		

Seq. No.	10655	Seq. ID	OJ990410_24.9923.C19
Gene No.	22650	Strand	+
Start	1	End	262
Name	OJ990410_24.9923.C19.o1.tm	Method	TBLASTX:Maize
Start	89	End	262
GI	none	Score	279
Exons	89..262, 90..260, 226..261		

Seq. No.	10656	Seq. ID	OJ990410_24.9923.C20
Gene No.	22651	Strand	-
Start	1	End	551
Name	OJ990410_24.9923.C20.o1.gp	Method	AAT/GAP
Start	1	End	551
GI	306_9.R1084	Score	809
Exons	1..280, 366..551		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	10656	Seq. ID	OJ990410_24.9923.C20
Gene No.	22651	Strand	-
Start	1	End	551
Name	OJ990410_24.9923.C20.o1.tw	Method	TBLASTX:Wheat
Start	1	End	460
GI	none	Score	59
Exons	1..33, 3..32, 6..278, 8..280, 30..281, 81..125, 82..126, 365..445, 366..446, 367..459, 368..460		

Seq. No.	10656	Seq. ID	OJ990410_24.9923.C20
Gene No.	22651	Strand	-
Start	1	End	551
Name	OJ990410_24.9923.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	281
GI	none	Score	483
Exons	1..279, 2..280, 3..281, 81..125, 82..126		

Seq. No.	10656	Seq. ID	OJ990410_24.9923.C20
Gene No.	22651	Strand	-
Start	1	End	551
Name	OJ990410_24.9923.C20.o1.tc	Method	TBLASTX:Cress
Start	181	End	551
GI	none	Score	36
Exons	181..210, 216..263, 217..279, 366..446, 367..549, 368..550, 495..551		

Seq. No.	10656	Seq. ID	OJ990410_24.9923.C20
Gene No.	22651	Strand	-
Start	1	End	551
Name	OJ990410_24.9923.C20.o2.tm	Method	TBLASTX:Maize

Start	366	End	517
GI	none	Score	148
Exons	366..449, 366..425, 367..516, 368..517		

Seq. No.	10657	Seq. ID	OJ990410_24.9923.C21
Gene No.	22652	Strand	-
Start	1	End	517
Name	OJ990410_24.9923.C21.o1.gp	Method	AAT/GAP
Start	1	End	368
GI	LIB3431-005-P1-N1-A5	Score	687
Exons	1..368		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	10657	Seq. ID	OJ990410_24.9923.C21
Gene No.	22652	Strand	-
Start	1	End	517
Name	OJ990410_24.9923.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	230
GI	none	Score	110
Exons	1..84, 2..76, 68..133, 73..138, 90..155, 109..147, 150..176, 151..177, 173..229, 184..228, 188..229, 189..230		

Seq. No.	10657	Seq. ID	OJ990410_24.9923.C21
Gene No.	22652	Strand	-
Start	1	End	517
Name	OJ990410_24.9923.C21.o1.ts	Method	TBLASTX:Soybean
Start	2	End	517
GI	none	Score	65
Exons	2..49, 187..516, 188..517		

Seq. No.	10658	Seq. ID	OJ990410_27.9922.C2
Gene No.	22653	Strand	-
Start	1	End	1253
Name	OJ990410_27.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	1019
GI	6063553	Score	571
Exons	1..23, 140..213, 330..444, 527..599, 706..804, 936..1019		
GI Descrip.	(AP000615) ESTs AU031435(E61570),AU078245(E61570) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10658	Seq. ID	OJ990410_27.9922.C2
Gene No.	22653	Strand	-
Start	1	End	1253
Name	OJ990410_27.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	143	End	1250
GI	none	Score	76
Exons	143..214, 144..212, 145..234, 145..213, 328..447, 328..444, 521..583, 524..592, 525..593, 706..756, 757..807, 758..802, 924..1007, 937..1008, 1093..1128, 1179..1250		

Seq. No.	10658	Seq. ID	OJ990410_27.9922.C2
Gene No.	22653	Strand	-
Start	1	End	1253
Name	OJ990410_27.9922.C2.o1.gs	Method	GENSCAN
Start	145	End	1253
GI	none	Score	.94
Exons	145..213, 330..444, 706..804, 936..1007, 1182..1253		

Seq. No.	10658	Seq. ID	OJ990410_27.9922.C2
Gene No.	22653	Strand	-
Start	1	End	1253
Name	OJ990410_27.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	145	End	1007
GI	none	Score	92
Exons	145..213, 146..214, 328..447, 328..444, 329..454, 369..446, 450..593, 503..592, 517..594, 526..594, 700..750, 704..805, 704..805, 706..807, 924..1007, 934..1005		

Seq. No.	10658	Seq. ID	OJ990410_27.9922.C2
Gene No.	22653	Strand	-
Start	1	End	1253
Name	OJ990410_27.9922.C2.o1.gp	Method	AAT/GAP
Start	146	End	1206
GI	5851073	Score	759
Exons	146..213, 330..444, 527..599, 706..804, 936..1007, 1182..1206		
GI Descrip.	6063553/dbj|BAA85413.1| 5.0e-62 (AP000615) ESTs AU031435(E61570),AU078245(E61570) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22654	Strand	+
Start	3978	End	7407
Name	OJ990410_27.9922.C3.o2.np	Method	AAT/NAP
Start	3978	End	7407
GI	6063554	Score	1815
Exons	3978..4059, 4613..4859, 4921..5008, 5584..5875, 5973..6194, 6543..6570, 7233..7407		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22654	Strand	+
Start	3978	End	7407
Name	OJ990410_27.9922.C3.o2.gs	Method	GENSCAN
Start	4872	End	6388
GI	none	Score	.59
Exons	4872..4894, 4954..5008, 5584..5710, 5973..6194, 6357..6388		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22654	Strand	+
Start	3978	End	7407
Name	OJ990410_27.9922.C3.o2.gp	Method	AAT/GAP
Start	6183	End	6623
GI	61605_1.R1084	Score	162
Exons	6183..6231, 6543..6623		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22655	Strand	-
Start	1	End	3142
Name	OJ990410_27.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	3142
GI	5263313	Score	628
Exons	1..79, 672..879, 999..1221, 1518..1993, 2057..2802, 2996..3142		
GI Descrip.	(AC007727) Contains similarity to gb|U07707 epidermal growth factor receptor substrate (eps15) from Homo sapiens and contains 2 PF|00036 EF hand domains. ESTs gb|T44428 and gb|AA395440 come from this gene. [Arabidop...		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22655	Strand	-
Start	1	End	3142
Name	OJ990410_27.9922.C3.o1.gp	Method	AAT/GAP
Start	1623	End	1883
GI	3107110	Score	424
Exons	1623..1883		
GI Descrip.	6063530/dbj|AP000615.1|AP000615 9.0e-97 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22656	Strand	-
Start	8663	End	9478
Name	OJ990410_27.9922.C3.o3.gp	Method	AAT/GAP
Start	7780	End	8082
GI	61605_3.R1084	Score	434
Exons	7780..8082		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22656	Strand	-
Start	8663	End	9478
Name	OJ990410_27.9922.C3.o3.gs	Method	GENSCAN
Start	8663	End	9478
GI	none	Score	1
Exons	8663..9478		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22656	Strand	-
Start	8663	End	9478
Name	OJ990410_27.9922.C3.o3.np	Method	AAT/NAP
Start	8666	End	9478
GI	6063555	Score	1458
Exons	8666..9478		
GI Descrip.	(AP000615) similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F26P21. (AL031804) [Oryza sativa]		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22657	Strand	-
Start	12930	End	18968
Name	OJ990410_27.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	680	End	1224

GI	none	Score	122
Exons	680..787, 681..875, 681..881, 793..882, 1001..1222, 1002..1223, 1003..1224		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22657	Strand	-
Start	12930	End	18968
Name	OJ990410_27.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	1547	End	2032
GI	none	Score	189
Exons	1547..1648, 1548..1685, 1549..1650, 1691..1750, 1711..1749, 1766..1861, 1768..1860, 1769..1864, 1816..2031, 1870..2007, 1871..2032, 1877..2011		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22657	Strand	-
Start	12930	End	18968
Name	OJ990410_27.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	2263	End	3052
GI	none	Score	52
Exons	2263..2295, 2263..2304, 2287..2448, 2297..2449, 2297..2452, 2301..2453, 2401..2523, 2413..2523, 2449..2523, 2449..2523, 2516..2608, 2595..2693, 2631..2825, 2632..2805, 2993..3052, 2994..3050		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22657	Strand	-
Start	12930	End	18968
Name	OJ990410_27.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	8751	End	8918
GI	none	Score	129
Exons	8751..8918, 8756..8911		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22657	Strand	-
Start	12930	End	18968
Name	OJ990410_27.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	8756	End	8927
GI	none	Score	125
Exons	8756..8911, 8784..8927		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22657	Strand	-
Start	12930	End	18968
Name	OJ990410_27.9922.C3.o4.tm	Method	TBLASTX:Maize
Start	12750	End	13104
GI	none	Score	59
Exons	12750..12839, 12851..12892, 12933..13088, 12933..13103, 13030..13089, 13030..13104		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22657	Strand	-
Start	12930	End	18968
Name	OJ990410_27.9922.C3.o4.gs	Method	GENSCAN
Start	12930	End	17386
GI	none	Score	.84
Exons	12930..13576, 13679..13847, 13946..15706, 16215..16294,		

16538..16665, 17265..17386

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22657	Strand	-
Start	12930	End	18968
Name	OJ990410_27.9922.C3.o4.np	Method	AAT/NAP
Start	12933	End	18968
GI	6063556	Score	4980
Exons	12933..13576, 13679..13847, 13946..15706, 16215..16294, 16538..16642, 17269..17386, 17676..17827, 18932..18968		
GI Descrip.	(AP000615) similar to Aquifex aeolicus section 65 of 109 of the complete genome; hypothetical protein. (AE000733) [Oryza sativa]		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22657	Strand	-
Start	12930	End	18968
Name	OJ990410_27.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	14513	End	14723
GI	none	Score	107
Exons	14513..14722, 14526..14723		

Seq. No.	10659	Seq. ID	OJ990410_27.9922.C3
Gene No.	22657	Strand	-
Start	12930	End	18968
Name	OJ990410_27.9922.C3.o4.gp	Method	AAT/GAP
Start	15288	End	15576
GI	3107674	Score	549
Exons	15288..15576		
GI Descrip.	6063556/dbj|BAA85416.1| 1.0e-43 (AP000615) similar to Aquifex aeolicus section 65 of 109 of the complete genome; hypothetical protein. (AE000733) [Oryza sativa]		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22658	Strand	+
Start	3276	End	3746
Name	OJ990410_27.9922.C4.o1.gp	Method	AAT/GAP
Start	3276	End	3746
GI	73656_1.R1084	Score	935
Exons	3276..3746		
GI Descrip.	'6063556/dbj|BAA85416.1| 3.0e-14 (AP000615) similar to Aquifex aeolicus section 65 of 109 of the complete genome; hypothetical protein. (AE000733) [Oryza sativa]'		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22659	Strand	+
Start	6519	End	13044
Name	OJ990410_27.9922.C4.o2.gs	Method	GENSCAN
Start	6519	End	12907
GI	none	Score	.66
Exons	6519..6692, 7066..7206, 7560..7847, 7860..7956, 7987..8074, 8185..8230, 8344..8442, 10020..10088, 10530..10674, 10682..10718, 10964..11096, 11363..11693, 11780..11889, 12056..12907		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22659	Strand	+
Start	6519	End	13044

Name	OJ990410_27.9922.C4.o2.np	Method	AAT/NAP
Start	6519	End	12904
GI	6063557	Score	4652
Exons	6519..6703, 6800..7206, 7560..7892, 7986..8074, 8185..8230, 8344..8442, 10020..10088, 10530..10718, 10964..11096, 11363..11694, 11780..11912, 12056..12904		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22659	Strand	+
Start	6519	End	13044
Name	OJ990410_27.9922.C4.o2.gp	Method	AAT/GAP
Start	11613	End	12181
GI	LIB3434-051-P1-K1-A7	Score	583
Exons	11613..11694, 11780..11912, 12056..12181		
GI Descrip.	'6063557/dbj|BAA85417.1| 5.0e-59 (AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]'		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22659	Strand	+
Start	6519	End	13044
Name	OJ990410_27.9922.C4.o3.gp	Method	AAT/GAP
Start	12277	End	13044
GI	12784_1.R1084	Score	1279
Exons	12277..12295, 12357..13044		
GI Descrip.	'6063557/dbj|BAA85417.1| 4.0e-94 (AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]'		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22660	Strand	+
Start	16893	End	31038
Name	OJ990410_27.9922.C4.o4.gs	Method	GENSCAN
Start	16893	End	31020
GI	none	Score	.74
Exons	16893..16956, 21549..21718, 21826..22015, 24143..24534, 24875..25107, 25207..25226, 26018..26185, 26526..26580, 27264..27378, 27901..28010, 28063..28525, 28724..28812, 28906..29093, 29507..29863, 30617..31020		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22660	Strand	+
Start	16893	End	31038
Name	OJ990410_27.9922.C4.o4.np	Method	AAT/NAP
Start	20649	End	25830
GI	6642658	Score	841
Exons	20649..20836, 21605..21724, 21826..22015, 24143..24534, 24875..25104, 25712..25830		
GI Descrip.	(AC012395) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22660	Strand	+
Start	16893	End	31038
Name	OJ990410_27.9922.C4.o4.gp	Method	AAT/GAP
Start	20728	End	20889
GI	none	Score	312
Exons	20728..20889		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22660	Strand	+
Start	16893	End	31038
Name	OJ990410_27.9922.C4.o5.gp	Method	AAT/GAP
Start	21353	End	21881
GI	LIB3431-028-P1-K1-G9	Score	591
Exons	21353..21462, 21549..21718, 21826..21881		
GI Descrip.	'4510406/gb|AAD21493.1| 1.0e-12 (AC006587) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22660	Strand	+
Start	16893	End	31038
Name	OJ990410_27.9922.C4.o5.np	Method	AAT/NAP
Start	27292	End	31038
GI	4584345	Score	928
Exons	27292..27378, 28199..28525, 28958..29093, 29504..29646, 29740..29863, 30617..31038		
GI Descrip.	(AC007127) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22661	Strand	-
Start	2001	End	4027
Name	OJ990410_27.9922.C4.o1.np	Method	AAT/NAP
Start	1548	End	4027
GI	6063556	Score	1565
Exons	1548..1659, 2015..2171, 2335..2419, 3285..3375, 3470..4027		
GI Descrip.	(AP000615) similar to Aquifex aeolicus section 65 of 109 of the complete genome; hypothetical protein. (AE000733) [Oryza sativa]		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22661	Strand	-
Start	2001	End	4027
Name	OJ990410_27.9922.C4.o1.gs	Method	GENSCAN
Start	2001	End	4027
GI	none	Score	.75
Exons	2001..2171, 2335..2419, 3285..3375, 3470..3649, 3655..4027		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22662	Strand	-
Start	13472	End	14381
Name	OJ990410_27.9922.C4.o3.gs	Method	GENSCAN
Start	13472	End	14381
GI	none	Score	.82
Exons	13472..13813, 13834..14066, 14168..14232, 14263..14381		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22662	Strand	-
Start	13472	End	14381
Name	OJ990410_27.9922.C4.o3.np	Method	AAT/NAP
Start	13475	End	14381
GI	6063558	Score	1251
Exons	13475..14066, 14168..14232, 14263..14381		
GI Descrip.	(AP000615) hypothetical protein [Oryza sativa]		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22663	Strand	-

Start	25170	End	25564
Name	OJ990410_27.9922.C4.o6.gp	Method	AAT/GAP
Start	25170	End	25564
GI	none	Score	758
Exons	25170..25564		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o6.ts	Method	TBLASTX:Soybean
Start	1523	End	3693
GI	none	Score	74
Exons	1523..1660, 2019..2081, 2020..2079, 2064..2198, 2083..2172, 2096..2197, 2330..2425, 2332..2415, 3287..3373, 3468..3503, 3510..3557, 3655..3693		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	3281	End	3699
GI	none	Score	83
Exons	3281..3376, 3287..3373, 3453..3539, 3468..3557, 3469..3558, 3650..3697, 3655..3699, 3655..3699		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o4.tc	Method	TBLASTX:Cress
Start	8021	End	8442
GI	none	Score	83
Exons	8021..8074, 8022..8075, 8165..8233, 8167..8232, 8341..8442, 8341..8385		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	11666	End	12416
GI	none	Score	47
Exons	11666..11695, 11667..11696, 11668..11700, 11807..11914, 11808..11915, 11818..11916, 11821..11931, 12055..12228, 12056..12229, 12063..12233, 12287..12346, 12294..12347, 12345..12416, 12348..12392, 12350..12415		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o7.ts	Method	TBLASTX:Soybean
Start	17829	End	33518
GI	none	Score	66
Exons	17829..17918, 33383..33517, 33384..33518		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o1.tm	Method	TBLASTX:Maize

Start	21545	End	30918
GI	none	Score	210
Exons	21545..21574, 21547..21591, 21578..21721, 21586..21717, 21684..21731, 21823..22014, 21824..22009, 21825..22013, 21825..22058, 21826..22014, 24131..24295, 24141..24539, 24142..24546, 24859..25065, 24865..25077, 24875..25078, 28333..28419, 28334..28420, 28961..29089, 29521..29589, 29737..29898, 29745..29867, 30613..30918, 30616..30777, 30843..30893		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	21605	End	29086
GI	none	Score	113
Exons	21605..21709, 21610..21705, 21825..22010, 21826..22011, 28325..28420, 28330..28428, 28961..29086		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	21611	End	30918
GI	none	Score	91
Exons	21611..21715, 21613..21714, 21826..22014, 21828..22013, 24154..24231, 24235..24546, 24241..24468, 24258..24527, 24881..25057, 28298..28522, 28315..28521, 28958..29101, 28960..29079, 29521..29625, 29577..29648, 29740..29898, 29754..29864, 30613..30918		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	24124	End	30918
GI	none	Score	531
Exons	24124..24486, 24139..24534, 24141..24533, 24875..25090, 24884..25042, 29518..29586, 29602..29625, 29728..29868, 29748..29864, 30613..30918, 30615..30659, 30717..30767		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	24166	End	30768
GI	none	Score	78
Exons	24166..24228, 24234..24533, 24235..24534, 29524..29622, 29545..29652, 29739..29864, 29740..29865, 30613..30768, 30615..30743		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o7.gp	Method	AAT/GAP
Start	31742	End	32753
GI	73528_1.R1084	Score	1671

Exons	31742..31926, 32021..32753		
GI Descrip.	'2832629/emb|CAA16758.1| 1.0e-09 (AL021711) 4-coumarate-CoA ligase-like [Arabidopsis thaliana]'		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o5.gs	Method	GENSCAN
Start	31828	End	35567
GI	none	Score	.77
Exons	31828..31838, 32021..32120, 32546..32574, 32632..33516, 33901..34930, 35011..35058, 35283..35567		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o5.tc	Method	TBLASTX:Cress
Start	32618	End	32821
GI	none	Score	140
Exons	32618..32821, 32622..32795		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o6.np	Method	AAT/NAP
Start	32624	End	35609
GI	6554484	Score	1308
Exons	32624..33037, 33158..33289, 33350..33516, 33901..34024, 34139..34298, 34347..34930, 35011..35058, 35283..35609		
GI Descrip.	(AC012394) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o5.ts	Method	TBLASTX:Soybean
Start	32693	End	32899
GI	none	Score	88
Exons	32693..32899, 32700..32795		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	33332	End	34447
GI	none	Score	83
Exons	33332..33517, 33341..33517, 33387..33518, 33888..33995, 33902..33994, 34358..34447		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o3.tc	Method	TBLASTX:Cress
Start	34425	End	34720
GI	none	Score	92
Exons	34425..34535, 34427..34534, 34538..34720, 34554..34712		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4

Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	34517	End	34933
GI	none	Score	107
Exons	34517..34780, 34518..34775, 34824..34898, 34826..34933		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	34593	End	35421
GI	none	Score	371
Exons	34593..34868, 34593..34721, 34594..34722, 34595..34867, 34868..34933, 34869..34934, 34871..34939, 34995..35060, 35005..35064, 35008..35064, 35266..35421, 35281..35415, 35283..35420		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	35283	End	35591
GI	none	Score	101
Exons	35283..35591, 35290..35409, 35470..35577		

Seq. No.	10660	Seq. ID	OJ990410_27.9922.C4
Gene No.	22664	Strand	-
Start	31828	End	35609
Name	OJ990410_27.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	35374	End	35609
GI	none	Score	104
Exons	35374..35577, 35382..35609		

Seq. No.	10661	Seq. ID	OJ990410_27.9922.C5
Gene No.	22665	Strand	+
Start	404	End	5118
Name	OJ990410_27.9922.C5.o1.gs	Method	GENSCAN
Start	404	End	5118
GI	none	Score	.49
Exons	404..485, 617..648, 4026..4086, 4961..5118		

Seq. No.	10661	Seq. ID	OJ990410_27.9922.C5
Gene No.	22666	Strand	+
Start	5809	End	6175
Name	OJ990410_27.9922.C5.o2.gs	Method	GENSCAN
Start	5809	End	6175
GI	none	Score	.99
Exons	5809..5895, 6020..6175		

Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22667	Strand	-
Start	209	End	4086
Name	OJ990410_27.9922.C6.o1.gs	Method	GENSCAN
Start	209	End	4086
GI	none	Score	.83
Exons	209..313, 1090..1183, 1296..1363, 1733..2877, 3364..3446,		

3659..3774, 3877..4086

Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22667	Strand	-
Start	209	End	4086
Name	OJ990410_27.9922.C6.o1.gp	Method	AAT/GAP
Start	623	End	3633
GI	82_2.R1084	Score	3522
Exons	623..968, 1090..1183, 1296..1363, 1733..2877, 3364..3460, 3557..3633		
GI Descrip.	'3868756/dbj|BAA34205| 0.0e+00 (D86611) catalase [Oryza sativa]'		

Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22667	Strand	-
Start	209	End	4086
Name	OJ990410_27.9922.C6.o1.np	Method	AAT/NAP
Start	912	End	3460
GI	3868756	Score	2540
Exons	912..968, 1090..1183, 1296..1363, 1733..2877, 3364..3460		
GI Descrip.	(D86611) catalase [Oryza sativa]		

Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	871	End	3610
GI	none	Score	53
Exons	871..966, 885..971, 1078..1185, 1084..1185, 1094..1198, 1294..1350, 1295..1378, 1296..1382, 1724..2878, 1734..2879, 3362..3463, 3363..3461, 3557..3610, 3559..3576		

Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	903	End	3594
GI	none	Score	66
Exons	903..971, 913..969, 1078..1185, 1079..1186, 1295..1378, 1296..1379, 1716..1859, 1724..1924, 1919..2878, 1920..2879, 3362..3463, 3363..3458, 3559..3594		

Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	909	End	3582
GI	none	Score	92
Exons	909..971, 1078..1185, 1084..1185, 1295..1378, 1296..1379, 1716..1859, 1724..2878, 1902..2879, 3362..3463, 3363..3458, 3556..3582, 3559..3576		

Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	1752	End	2560
GI	none	Score	72

Exons	1752..1859, 1754..2560, 1902..2558		
Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	2699	End	3458
GI	none	Score	191
Exons	2699..2878, 2700..2879, 3362..3457, 3363..3458		
Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	4647	End	6165
GI	none	Score	42
Exons	4647..4679, 4648..4683, 4792..4815, 4792..4815, 4839..5018, 4847..5020, 4851..5003, 4856..5014, 4858..5025, 5147..5233, 5152..5232, 5162..5233, 5979..6014, 5984..6040, 6008..6040, 6108..6161, 6108..6164, 6109..6165		
Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o2.gp	Method	AAT/GAP
Start	4826	End	6165
GI	7242_1.R1084	Score	682
Exons	4826..5019, 5147..5230, 5781..5809, 5981..6039, 6108..6165		
GI Descrip.	'4584342/gb|AAD25137.1|AC007127_3 1.0e-37 (AC007127) putative ubiquitin protein [Arabidopsis thaliana]'		
Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	4845	End	6164
GI	none	Score	166
Exons	4845..5003, 4853..5017, 5990..6040, 6108..6164, 6109..6153		
Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	4864	End	5020
GI	none	Score	158
Exons	4864..5016, 4872..5000, 4872..5018, 4877..5020		
Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o2.tc	Method	TBLASTX:Cress
Start	4872	End	5020
GI	none	Score	103
Exons	4872..5003, 4877..5020		
Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-

Start	4874	End	6165
Name	OJ990410_27.9922.C6.o2.gs	Method	GENSCAN
Start	4874	End	6161
GI	none	Score	.7
Exons	4874..5019, 5147..5272, 5781..5809, 5981..6039, 6108..6161		

Seq. No.	10662	Seq. ID	OJ990410_27.9922.C6
Gene No.	22668	Strand	-
Start	4874	End	6165
Name	OJ990410_27.9922.C6.o2.np	Method	AAT/NAP
Start	4874	End	6165
GI	4584342	Score	221
Exons	4874..5019, 5147..5259, 5981..6039, 6108..6165		
GI Descrip.	(AC007127) putative ubiquitin-like protein [Arabidopsis thaliana]		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22669	Strand	+
Start	11783	End	12100
Name	OJ990410_27.9922.C7.o1.gp	Method	AAT/GAP
Start	11783	End	12100
GI	702422	Score	418
Exons	11783..11947, 12037..12100		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22670	Strand	+
Start	12885	End	19692
Name	OJ990410_27.9922.C7.o2.gs	Method	GENSCAN
Start	12885	End	17690
GI	none	Score	.46
Exons	12885..14061, 14320..17075, 17094..17690		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22670	Strand	+
Start	12885	End	19692
Name	OJ990410_27.9922.C7.o2.np	Method	AAT/NAP
Start	12885	End	17687
GI	5295971	Score	8055
Exons	12885..17687		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22670	Strand	+
Start	12885	End	19692
Name	OJ990410_27.9922.C7.o3.np	Method	AAT/NAP
Start	16135	End	19050
GI	1001241	Score	118
Exons	16135..16174, 18333..18445, 18642..18779, 18965..19050		
GI Descrip.	(D64003) hypothetical protein [Synechocystis sp.]		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22670	Strand	+
Start	12885	End	19692
Name	OJ990410_27.9922.C7.o4.gp	Method	AAT/GAP
Start	18621	End	19692

GI	11001_1.R1084	Score	1216
Exons	18621..18779, 19147..19692		
GI Descrip.	'3367594/emb|CAA20046| 2.0e-14 (AL031135) putative protein [Arabidopsis thaliana]'		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22671	Strand	+
Start	21819	End	23334
Name	OJ990410_27.9922.C7.o4.gs	Method	GENSCAN
Start	21819	End	23334
GI	none	Score	.91
Exons	21819..22385, 22739..22858, 23323..23334		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22671	Strand	+
Start	21819	End	23334
Name	OJ990410_27.9922.C7.o4.np	Method	AAT/NAP
Start	21831	End	22882
GI	4966342	Score	661
Exons	21831..22385, 22739..22882		
GI Descrip.	(AC006341) ESTs gb|T04357 and gb|AA595092 come from this gene. [Arabidopsis thaliana]		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22672	Strand	+
Start	25912	End	26990
Name	OJ990410_27.9922.C7.o6.gs	Method	GENSCAN
Start	25912	End	26990
GI	none	Score	.55
Exons	25912..25968, 26520..26611, 26852..26990		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22673	Strand	-
Start	47	End	11212
Name	OJ990410_27.9922.C7.o1.np	Method	AAT/NAP
Start	47	End	2601
GI	4584342	Score	797
Exons	47..791, 2382..2601		
GI Descrip.	(AC007127) putative ubiquitin-like protein [Arabidopsis thaliana]		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22673	Strand	-
Start	47	End	11212
Name	OJ990410_27.9922.C7.o1.gs	Method	GENSCAN
Start	51	End	11212
GI	none	Score	.76
Exons	51..173, 210..575, 651..791, 2382..2752, 2999..3123, 4149..4248, 4889..5019, 6173..6485, 7229..7290, 7642..7701, 8401..8536, 8907..9043, 9139..9225, 9638..9693, 9958..10068, 10384..10468, 10579..10688, 10893..11010, 11045..11212		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22674	Strand	-
Start	14730	End	15165
Name	OJ990410_27.9922.C7.o2.gp	Method	AAT/GAP
Start	14730	End	15165

GI	uC-osf1M2020118f01a1	Score	789
Exons	14730..15165		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22675	Strand	-
Start	16859	End	17313
Name	OJ990410_27.9922.C7.o3.gp	Method	AAT/GAP
Start	16859	End	17313
GI	36280_1.R1084	Score	846
Exons	16859..17313		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	42	End	573
GI	none	Score	214
Exons	42..302, 55..534, 62..532, 348..536, 357..455, 376..513, 430..573, 440..535		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	220	End	2553
GI	none	Score	339
Exons	220..579, 221..580, 584..634, 754..792, 2353..2553, 2381..2548		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o13.tm	Method	TBLASTX:Maize
Start	714	End	2559
GI	none	Score	68
Exons	714..788, 754..792, 2353..2556, 2381..2557, 2398..2559		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o6.tc	Method	TBLASTX:Cress
Start	2380	End	2553
GI	none	Score	110
Exons	2380..2553, 2381..2548, 2398..2550		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o14.tm	Method	TBLASTX:Maize
Start	5598	End	5884

GI	none	Score	161
Exons	5598..5654, 5670..5858, 5674..5877, 5675..5884, 5678..5833		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o9.tm	Method	TBLASTX:Maize
Start	6161	End	7915
GI	none	Score	226
Exons	6161..6478, 6161..6484, 6171..6485, 7228..7314, 7229..7315, 7642..7707, 7642..7719, 7806..7907, 7810..7908, 7810..7914, 7811..7915, 7811..7915		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o12.tm	Method	TBLASTX:Maize
Start	11097	End	11399
GI	none	Score	61
Exons	11097..11147, 11108..11146, 11201..11371, 11202..11399		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o5.tc	Method	TBLASTX:Cress
Start	11210	End	11369
GI	none	Score	197
Exons	11210..11368, 11214..11369		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o7.ts	Method	TBLASTX:Soybean
Start	11231	End	11904
GI	none	Score	189
Exons	11231..11371, 11232..11387, 11689..11904, 11690..11899		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o11.tm	Method	TBLASTX:Maize
Start	11726	End	18436
GI	none	Score	173
Exons	11726..11947, 11728..11955, 11728..11952, 11742..11993, 12016..12150, 12031..12141, 12036..12170, 18295..18429, 18298..18435, 18299..18436		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o8.tm	Method	TBLASTX:Maize
Start	13280	End	13571
GI	none	Score	352
Exons	13280..13495, 13281..13571, 13281..13571		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-

Start	24052	End	25413
Name	OJ990410_27.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	13806	End	14522
GI	none	Score	403
Exons	13806..14081, 13823..14080, 14013..14084, 14063..14086, 14089..14280, 14101..14280, 14160..14291, 14263..14442, 14269..14517, 14271..14522, 14274..14522		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	14447	End	14900
GI	none	Score	342
Exons	14447..14752, 14448..14813, 14451..14828, 14808..14900, 14820..14900		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o10.tm	Method	TBLASTX:Maize
Start	14537	End	14777
GI	none	Score	309
Exons	14537..14776, 14538..14777		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o6.ts	Method	TBLASTX:Soybean
Start	14838	End	15113
GI	none	Score	191
Exons	14838..15113, 14934..15014		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o3.tw	Method	TBLASTX:Wheat
Start	14973	End	15521
GI	none	Score	113
Exons	14973..15113, 15171..15437, 15188..15337, 15440..15511, 15444..15521		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	15176	End	15602
GI	none	Score	693
Exons	15176..15601, 15180..15602		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	15207	End	15697
GI	none	Score	348
Exons	15207..15515, 15212..15502, 15539..15697, 15540..15686		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o3.tc	Method	TBLASTX:Cress
Start	15222	End	15662
GI	none	Score	202
Exons	15222..15518, 15272..15304, 15362..15508, 15540..15662		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	16137	End	16634
GI	5509260	Score	434
Exons	16137..16634, 16184..16393, 16457..16615		
GI Descrip.	-		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o7.tm	Method	TBLASTX:Maize
Start	16176	End	16484
GI	none	Score	398
Exons	16176..16484, 16178..16483		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o4.tc	Method	TBLASTX:Cress
Start	16259	End	16523
GI	none	Score	236
Exons	16259..16390, 16260..16523		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	16304	End	16859
GI	none	Score	309
Exons	16304..16393, 16305..16649, 16458..16625, 16460..16645, 16635..16859		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o4.tm	Method	TBLASTX:Maize
Start	16686	End	17077
GI	none	Score	597
Exons	16686..17075, 16686..17075, 16688..17077		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o5.tw	Method	TBLASTX:Wheat
Start	16860	End	17171
GI	none	Score	64

Exons	16860..16967, 16992..17171		
Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	16992	End	17654
GI	none	Score	251
Exons	16992..17282, 17054..17164, 17186..17281, 17288..17365, 17289..17369, 17436..17654, 17456..17620		
Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o4.ts	Method	TBLASTX:Soybean
Start	17013	End	17663
GI	none	Score	138
Exons	17013..17174, 17186..17347, 17187..17375, 17430..17663, 17456..17530		
Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o15.tm	Method	TBLASTX:Maize
Start	17079	End	17258
GI	none	Score	189
Exons	17079..17258, 17081..17257		
Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o4.tw	Method	TBLASTX:Wheat
Start	17205	End	17624
GI	none	Score	124
Exons	17205..17375, 17288..17365, 17421..17624, 17430..17612		
Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o5.tm	Method	TBLASTX:Maize
Start	17264	End	17653
GI	none	Score	505
Exons	17264..17371, 17265..17651, 17267..17653, 17326..17502, 17346..17651, 17453..17653		
Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o5.gs	Method	GENSCAN
Start	24052	End	25413
GI	none	Score	.99
Exons	24052..25413		
Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o5.np	Method	AAT/NAP

Start	24094	End	25245
GI	4102582	Score	789
Exons	24094..24936, 24973..25245		
GI Descrip.	(AF013115) CAO [Arabidopsis thaliana]		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o2.tc	Method	TBLASTX:Cress
Start	24115	End	25080
GI	none	Score	42
Exons	24115..24216, 24274..24360, 24637..24768, 24704..24742, 24781..24936, 24833..24937, 24985..25080		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o5.ts	Method	TBLASTX:Soybean
Start	24115	End	24930
GI	none	Score	84
Exons	24115..24213, 24116..24202, 24214..24360, 24281..24361, 24844..24930, 24844..24930		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o6.tm	Method	TBLASTX:Maize
Start	24115	End	25225
GI	none	Score	190
Exons	24115..24201, 24274..24360, 24829..25218, 24833..25006, 24934..25035, 25068..25112, 25070..25129, 25193..25225		

Seq. No.	10663	Seq. ID	OJ990410_27.9922.C7
Gene No.	22676	Strand	-
Start	24052	End	25413
Name	OJ990410_27.9922.C7.o5.gp	Method	AAT/GAP
Start	24743	End	25188
GI	LIB3431-036-P1-K1-D4	Score	854
Exons	24743..25188		
GI Descrip.	'2832629/emb|CAA16758.1| 7.0e-14 (AL021711) 4-coumarate-CoA ligase-like [Arabidopsis thaliana]'		

Seq. No.	10664	Seq. ID	OJ990410_27.9922.C8
Gene No.	22677	Strand	+
Start	1271	End	1664
Name	OJ990410_27.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	675	End	1664
GI	none	Score	62
Exons	675..767, 1380..1568, 1381..1569, 1471..1647, 1609..1662, 1617..1664		

Seq. No.	10664	Seq. ID	OJ990410_27.9922.C8
Gene No.	22677	Strand	+
Start	1271	End	1664
Name	OJ990410_27.9922.C8.o1.gp	Method	AAT/GAP
Start	1271	End	1664
GI	1631758	Score	754

Exons	1271..1664		
GI Descrip.	2832629/emb|CAA16758.1| 1.0e-09 (AL021711) 4-coumarate-CoA ligase-like [Arabidopsis thaliana]		
Seq. No.	10664	Seq. ID	OJ990410_27.9922.C8
Gene No.	22677	Strand	+
Start	1271	End	1664
Name	OJ990410_27.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	1383	End	1659
GI	none	Score	189
Exons	1383..1568, 1384..1569, 1468..1575, 1609..1659, 1617..1655		
Seq. No.	10664	Seq. ID	OJ990410_27.9922.C8
Gene No.	22677	Strand	+
Start	1271	End	1664
Name	OJ990410_27.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	1386	End	1664
GI	none	Score	353
Exons	1386..1664, 1387..1662		
Seq. No.	10665	Seq. ID	OJ990410_27.9922.C9
Gene No.	22678	Strand	+
Start	1	End	2938
Name	OJ990410_27.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	2686
GI	515503	Score	541
Exons	1..557, 1930..2075, 2183..2250, 2337..2439, 2579..2686		
GI Descrip.	(U12013) 4-coumarate-CoA ligase enzyme [Pinus taeda] gi|1143308 (U39404) 4-coumarate:CoA ligase [Pinus taeda] gi|1143310 (U39405) 4-coumarate:CoA ligase [Pinus taeda]		
Seq. No.	10665	Seq. ID	OJ990410_27.9922.C9
Gene No.	22678	Strand	+
Start	1	End	2938
Name	OJ990410_27.9922.C9.o1.gs	Method	GENSCAN
Start	8	End	2692
GI	none	Score	.8
Exons	8..557, 1728..1786, 1890..2075, 2183..2250, 2337..2439, 2579..2692		
Seq. No.	10665	Seq. ID	OJ990410_27.9922.C9
Gene No.	22678	Strand	+
Start	1	End	2938
Name	OJ990410_27.9922.C9.o1.gp	Method	AAT/GAP
Start	2335	End	2938
GI	3761984	Score	881
Exons	2335..2439, 2579..2938		
GI Descrip.	2832629/emb|CAA16758.1| 7.0e-14 (AL021711) 4-coumarate-CoA ligase-like [Arabidopsis thaliana]		
Seq. No.	10665	Seq. ID	OJ990410_27.9922.C9
Gene No.	22679	Strand	-
Start	3551	End	3752
Name	OJ990410_27.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	27	End	256
GI	none	Score	370
Exons	27..74, 28..255, 29..256		

Seq. No.	10665	Seq. ID	OJ990410_27.9922.C9
Gene No.	22679	Strand	-
Start	3551	End	3752
Name	OJ990410_27.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	53	End	2697
GI	none	Score	248
Exons	53..247, 58..246, 65..253, 215..559, 286..558, 1928..2068, 1929..2078, 2179..2253, 2216..2251, 2338..2445, 2340..2441, 2368..2445, 2575..2697, 2576..2692		

Seq. No.	10665	Seq. ID	OJ990410_27.9922.C9
Gene No.	22679	Strand	-
Start	3551	End	3752
Name	OJ990410_27.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	260	End	2659
GI	none	Score	322
Exons	260..559, 283..558, 1928..2068, 1929..2078, 2179..2250, 2219..2251, 2340..2441, 2341..2445, 2576..2659		

Seq. No.	10665	Seq. ID	OJ990410_27.9922.C9
Gene No.	22679	Strand	-
Start	3551	End	3752
Name	OJ990410_27.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	263	End	574
GI	none	Score	113
Exons	263..397, 292..387, 424..573, 428..574		

Seq. No.	10665	Seq. ID	OJ990410_27.9922.C9
Gene No.	22679	Strand	-
Start	3551	End	3752
Name	OJ990410_27.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	1937	End	2687
GI	none	Score	252
Exons	1937..2125, 1938..2078, 2149..2250, 2178..2252, 2181..2252, 2182..2256, 2337..2441, 2338..2445, 2575..2685, 2576..2686, 2577..2687		

Seq. No.	10665	Seq. ID	OJ990410_27.9922.C9
Gene No.	22679	Strand	-
Start	3551	End	3752
Name	OJ990410_27.9922.C9.o2.gs	Method	GENSCAN
Start	3551	End	3752
GI	none	Score	.81
Exons	3551..3752		

Seq. No.	10666	Seq. ID	OJ990410_27.9922.C10
Gene No.	22680	Strand	+
Start	241	End	5338
Name	OJ990410_27.9922.C10.o1.gs	Method	GENSCAN
Start	241	End	5338
GI	none	Score	.85
Exons	241..292, 1331..1420, 3174..3245, 3315..3520, 3882..4080, 4130..4302, 4410..4588, 4868..5000, 5060..5338		

Seq. No.	10666	Seq. ID	OJ990410_27.9922.C10
Gene No.	22680	Strand	+

Start	241	End	5338
Name	OJ990410_27.9922.C10.o1.np	Method	AAT/NAP
Start	3957	End	5335
GI	4539348	Score	609
Exons	3957..4080, 4190..4302, 4410..4588, 4868..5000, 5090..5335		
GI Descrip.	(AL035539) putative pollen allergen [Arabidopsis thaliana]		

Seq. No.	10666	Seq. ID	OJ990410_27.9922.C10
Gene No.	22680	Strand	+
Start	241	End	5338
Name	OJ990410_27.9922.C10.o1.gp	Method	AAT/GAP
Start	4215	End	5155
GI	17663_1.R1084	Score	801
Exons	4215..4302, 4410..4588, 4868..5000, 5090..5155		
GI Descrip.	'4539348/emb|CAB37496.1| 2.0e-17 (AL035539) putative pollen allergen [Arabidopsis thaliana]'		

Seq. No.	10666	Seq. ID	OJ990410_27.9922.C10
Gene No.	22681	Strand	-
Start	6092	End	6247
Name	OJ990410_27.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	3998	End	5378
GI	none	Score	103
Exons	3998..4081, 4014..4088, 4188..4304, 4270..4323, 4390..4434, 4404..4502, 4407..4589, 4409..4507, 4474..4533, 4866..4925, 4867..4896, 4925..4981, 4926..4979, 5068..5331, 5087..5335, 5192..5374, 5193..5378		

Seq. No.	10666	Seq. ID	OJ990410_27.9922.C10
Gene No.	22681	Strand	-
Start	6092	End	6247
Name	OJ990410_27.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	4191	End	5338
GI	none	Score	53
Exons	4191..4235, 4218..4292, 4270..4305, 4407..4589, 4412..4507, 4866..5003, 5056..5220, 5087..5227, 5225..5338, 5230..5319		

Seq. No.	10666	Seq. ID	OJ990410_27.9922.C10
Gene No.	22681	Strand	-
Start	6092	End	6247
Name	OJ990410_27.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	4866	End	5211
GI	none	Score	67
Exons	4866..4934, 4944..5003, 5095..5211, 5096..5209		

Seq. No.	10666	Seq. ID	OJ990410_27.9922.C10
Gene No.	22681	Strand	-
Start	6092	End	6247
Name	OJ990410_27.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	5161	End	5343
GI	none	Score	294
Exons	5161..5340, 5162..5341, 5263..5343		

Seq. No.	10666	Seq. ID	OJ990410_27.9922.C10
Gene No.	22681	Strand	-
Start	6092	End	6247
Name	OJ990410_27.9922.C10.o2.gs	Method	GENSCAN

Start	6092	End	6247
GI	none	Score	.8
Exons	6092..6112, 6143..6247		

Seq. No.	10667	Seq. ID	OJ990410_27.9922.C11
Gene No.	22682	Strand	-
Start	289	End	809
Name	OJ990410_27.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	7	End	698
GI	none	Score	101
Exons	7..216, 12..218, 292..351, 293..337, 445..504, 446..505, 591..698, 591..683, 599..697		

Seq. No.	10667	Seq. ID	OJ990410_27.9922.C11
Gene No.	22682	Strand	-
Start	289	End	809
Name	OJ990410_27.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	111	End	691
GI	none	Score	69
Exons	111..218, 112..216, 292..363, 293..364, 295..366, 445..501, 446..502, 594..683, 594..680, 599..691		

Seq. No.	10667	Seq. ID	OJ990410_27.9922.C11
Gene No.	22682	Strand	-
Start	289	End	809
Name	OJ990410_27.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	114	End	691
GI	none	Score	58
Exons	114..206, 114..218, 115..216, 288..347, 292..354, 292..363, 445..501, 594..686, 599..691		

Seq. No.	10667	Seq. ID	OJ990410_27.9922.C11
Gene No.	22682	Strand	-
Start	289	End	809
Name	OJ990410_27.9922.C11.o1.gs	Method	GENSCAN
Start	289	End	809
GI	none	Score	.81
Exons	289..352, 446..502, 594..692, 778..809		

Seq. No.	10668	Seq. ID	OJ990410_27.9922.C12
Gene No.	22683	Strand	+
Start	7788	End	8731
Name	OJ990410_27.9922.C12.o1.np	Method	AAT/NAP
Start	7788	End	8731
GI	3080427	Score	422
Exons	7788..8129, 8225..8361, 8569..8731		
GI Descrip.	(AL022604) putative protein [Arabidopsis thaliana]		

Seq. No.	10668	Seq. ID	OJ990410_27.9922.C12
Gene No.	22683	Strand	+
Start	7788	End	8731
Name	OJ990410_27.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	7803	End	8365
GI	none	Score	119
Exons	7803..7898, 7817..7897, 7896..8126, 7979..8131, 8033..8131, 8224..8364, 8225..8365		

Seq. No.	10668	Seq. ID	OJ990410_27.9922.C12
Gene No.	22683	Strand	+
Start	7788	End	8731
Name	OJ990410_27.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	7902	End	8397
GI	none	Score	178
Exons	7902..8069, 7997..8053, 8061..8126, 8066..8131, 8224..8397, 8225..8365		

Seq. No.	10668	Seq. ID	OJ990410_27.9922.C12
Gene No.	22683	Strand	+
Start	7788	End	8731
Name	OJ990410_27.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	7935	End	8344
GI	none	Score	112
Exons	7935..8051, 8076..8126, 8224..8343, 8225..8344		

Seq. No.	10668	Seq. ID	OJ990410_27.9922.C12
Gene No.	22683	Strand	+
Start	7788	End	8731
Name	OJ990410_27.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	7941	End	8365
GI	none	Score	231
Exons	7941..8126, 7977..8126, 8003..8131, 8042..8128, 8224..8364, 8225..8365		

Seq. No.	10669	Seq. ID	OJ990410_27.9922.C13
Gene No.	22684	Strand	+
Start	1	End	722
Name	OJ990410_27.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	722
GI	6063553	Score	479
Exons	1..299, 560..722		
GI Descrip.	(AP000615) ESTs AU031435(E61570),AU078245(E61570) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10669	Seq. ID	OJ990410_27.9922.C13
Gene No.	22684	Strand	+
Start	1	End	722
Name	OJ990410_27.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	5	End	304
GI	none	Score	301
Exons	5..298, 7..297, 59..304		

Seq. No.	10669	Seq. ID	OJ990410_27.9922.C13
Gene No.	22684	Strand	+
Start	1	End	722
Name	OJ990410_27.9922.C13.o1.gp	Method	AAT/GAP
Start	64	End	305
GI	LIB3433-057-P1-K1-D6	Score	418
Exons	64..305		
GI Descrip.	'6063553/dbj|BAA85413.1| 2.0e-67 (AP000615) ESTs AU031435(E61570),AU078245(E61570) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	10669	Seq. ID	OJ990410_27.9922.C13

Gene No.	22684	Strand	+
Start	1	End	722
Name	OJ990410_27.9922.C13.o1.gs	Method	GENSCAN
Start	82	End	299
GI	none	Score	.93
Exons	82..299		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22685	Strand	+
Start	1	End	2678
Name	OJ990410_26.9922.C2.o2.np	Method	AAT/NAP
Start	1	End	2675
GI	6714336	Score	448
Exons	1..50, 933..1093, 1699..1736, 1869..1963, 2535..2675		
GI Descrip.	(AC016162) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22685	Strand	+
Start	1	End	2678
Name	OJ990410_26.9922.C2.o1.gs	Method	GENSCAN
Start	804	End	2678
GI	none	Score	.91
Exons	804..1093, 1699..1736, 1869..1963, 1981..2088, 2535..2678		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22686	Strand	-
Start	1	End	1951
Name	OJ990410_26.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	1951
GI	5852093	Score	115
Exons	1..336, 460..566, 1925..1951		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22687	Strand	-
Start	2597	End	10384
Name	OJ990410_26.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	855	End	2722
GI	none	Score	71
Exons	855..941, 903..971, 908..1006, 971..1063, 972..1067, 1065..1094, 1065..1094, 1676..1735, 1698..1742, 1700..1735, 1857..1964, 1867..1962, 1868..1966, 2532..2678, 2533..2688, 2533..2676, 2534..2722		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22687	Strand	-
Start	2597	End	10384
Name	OJ990410_26.9922.C2.o3.np	Method	AAT/NAP
Start	2597	End	10384
GI	2462825	Score	361
Exons	2597..2654, 6063..6239, 8477..8513, 8890..9048, 9859..9991, 10163..10384		
GI Descrip.	(AF000657) contains Procite 'RNP1' putative RNA-binding region [Arabidopsis thaliana]		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22687	Strand	-

Start	2597	End	10384
Name	OJ990410_26.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	4082	End	10370
GI	none	Score	57
Exons	4082..4177, 4098..4178, 4117..4179, 4189..4221, 4226..4309, 4232..4312, 4234..4314, 4246..4314, 4378..4401, 4378..4470, 4383..4403, 4432..4470, 4483..4629, 4487..4525, 4495..4536, 4531..4671, 4532..4678, 4541..4675, 4840..4953, 4854..4940, 4907..4981, 4937..5029, 4978..5013, 4988..5014, 5053..5247, 5053..5208, 5057..5251, 5075..5401, 5249..5293, 5254..5295, 5311..5484, 5317..5484, 5321..5485, 5759..5818, 5933..5998, 5948..5998, 5949..6080, 5949..6143, 6057..6164, 6062..6157, 6121..6162, 6195..6239, 6196..6240, 8837..8986, 8886..9029, 8887..9030, 8889..9029, 9857..9991, 9858..9992, 10155..10349, 10160..10369, 10161..10370		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22687	Strand	-
Start	2597	End	10384
Name	OJ990410_26.9922.C2.o1.gp	Method	AAT/GAP
Start	4232	End	4568
GI	31614_1.R1084	Score	666
Exons	4232..4568		
GI Descrip.	'4538975/emb|CAB39763.1| 3.0e-23 (AL049487) putative protein [Arabidopsis thaliana]'		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22687	Strand	-
Start	2597	End	10384
Name	OJ990410_26.9922.C2.o2.gs	Method	GENSCAN
Start	5343	End	10345
GI	none	Score	.71
Exons	5343..5461, 5948..6239, 8477..8513, 8890..9028, 9859..9991, 10163..10345		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22687	Strand	-
Start	2597	End	10384
Name	OJ990410_26.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	5916	End	10349
GI	none	Score	85
Exons	5916..6053, 6045..6143, 6195..6215, 6213..6239, 8887..8973, 8889..8954, 8911..8973, 9857..9991, 9858..9992, 10160..10345, 10161..10349		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22687	Strand	-
Start	2597	End	10384
Name	OJ990410_26.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	9872	End	10318
GI	none	Score	122
Exons	9872..9991, 9894..9992, 10155..10310, 10160..10318, 10161..10316		

Seq. No.	10670	Seq. ID	OJ990410_26.9922.C2
Gene No.	22687	Strand	-
Start	2597	End	10384
Name	OJ990410_26.9922.C2.o1.tw	Method	TBLASTX:Wheat

Start	10223	End	10352
GI	none	Score	221
Exons	10223..10345, 10224..10352, 10224..10346		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22688	Strand	+
Start	3472	End	3612
Name	OJ990410_26.9922.C4.o1.gp	Method	AAT/GAP
Start	3472	End	3612
GI	none	Score	258
Exons	3472..3612		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22689	Strand	+
Start	3642	End	14650
Name	OJ990410_26.9922.C4.o2.gs	Method	GENSCAN
Start	3642	End	14650
GI	none	Score	.8
Exons	3642..3839, 4178..4277, 4570..4730, 5006..5203, 5572..5694, 6477..6724, 6844..7015, 7247..7333, 7363..7626, 8255..8417, 8679..8766, 8850..8919, 9406..9534, 9613..9651, 11379..11600, 11775..11839, 11935..12128, 12313..12425, 12496..12646, 12749..12836, 12932..13061, 13132..13241, 13364..13562, 14444..14650		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22689	Strand	+
Start	3642	End	14650
Name	OJ990410_26.9922.C4.o2.gp	Method	AAT/GAP
Start	7503	End	8891
GI	none	Score	734
Exons	7503..7626, 8255..8417, 8679..8766, 8850..8891		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22689	Strand	+
Start	3642	End	14650
Name	OJ990410_26.9922.C4.o3.gp	Method	AAT/GAP
Start	9384	End	9658
GI	2797645	Score	290
Exons	9384..9534, 9613..9658		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22689	Strand	+
Start	3642	End	14650
Name	OJ990410_26.9922.C4.o4.gp	Method	AAT/GAP
Start	11166	End	11964
GI	3061234	Score	725
Exons	11166..11281, 11379..11600, 11775..11839, 11935..11964		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22689	Strand	+
Start	3642	End	14650
Name	OJ990410_26.9922.C4.o1.np	Method	AAT/NAP
Start	11418	End	13509
GI	4138265	Score	1025
Exons	11418..11600, 11770..11839, 11935..12128, 12379..12646, 12749..12836, 12932..13057, 13132..13241, 13364..13509		

GI Descrip. (AJ006228) Avr9 elicitor response protein [Nicotiana tabacum]

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22690	Strand	+
Start	20862	End	47571
Name	OJ990410_26.9922.C4.o4.gs	Method	GENSCAN
Start	20862	End	33884
GI	none	Score	.65
Exons	20862..21198, 21673..21802, 22043..22258, 22359..22976, 23065..23548, 24220..24262, 24762..24973, 27404..27625, 27705..27856, 29059..29122, 30125..30190, 30233..30429, 30481..30625, 32388..32599, 32660..32828, 32839..32970, 33065..33196, 33561..33786, 33814..33884		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22690	Strand	+
Start	20862	End	47571
Name	OJ990410_26.9922.C4.o6.gp	Method	AAT/GAP
Start	23490	End	24046
GI	33805_1.R1084	Score	992
Exons	23490..24046		
GI Descrip.	'4220491 4.0e-17 (AC006069) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22690	Strand	+
Start	20862	End	47571
Name	OJ990410_26.9922.C4.o4.np	Method	AAT/NAP
Start	26888	End	41495
GI	1171577	Score	246
Exons	26888..27005, 32787..32970, 33065..33411, 41466..41495		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22690	Strand	+
Start	20862	End	47571
Name	OJ990410_26.9922.C4.o7.gs	Method	GENSCAN
Start	40116	End	47571
GI	none	Score	.46
Exons	40116..40719, 40808..41012, 41018..41235, 42649..42774, 44903..44984, 45808..46017, 46022..46468, 46636..46803, 47198..47387, 47485..47571		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22690	Strand	+
Start	20862	End	47571
Name	OJ990410_26.9922.C4.o7.gp	Method	AAT/GAP
Start	40613	End	40925
GI	none	Score	543
Exons	40613..40925		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22691	Strand	+
Start	50175	End	56779
Name	OJ990410_26.9922.C4.o9.gs	Method	GENSCAN
Start	50175	End	56728
GI	none	Score	.42

Exons	50175..50343, 51196..51258, 53007..55460, 56376..56728		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22691	Strand	+
Start	50175	End	56779
Name	OJ990410_26.9922.C4.o9.gp	Method	AAT/GAP
Start	51202	End	53276
GI	3759051	Score	837
Exons	51202..51258, 52891..53276		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22691	Strand	+
Start	50175	End	56779
Name	OJ990410_26.9922.C4.o5.np	Method	AAT/NAP
Start	52946	End	56779
GI	6560764	Score	1469
Exons	52946..54668, 54715..55460, 56376..56779		
GI Descrip.	(AC010155) F3M18.12 [Arabidopsis thaliana]		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22691	Strand	+
Start	50175	End	56779
Name	OJ990410_26.9922.C4.o10.gp	Method	AAT/GAP
Start	54742	End	55200
GI	2317325	Score	911
Exons	54742..55200		
GI Descrip.	3641252 1.0e-11 (AF053127) leucine-rich receptor-like protein kinase [Malus domestica]		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22692	Strand	+
Start	61982	End	62113
Name	OJ990410_26.9922.C4.o13.gp	Method	AAT/GAP
Start	61982	End	62113
GI	LIB3474-009-P1-K1-F11	Score	232
Exons	61982..62113		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22693	Strand	-
Start	1301	End	3187
Name	OJ990410_26.9922.C4.o1.gs	Method	GENSCAN
Start	1301	End	3187
GI	none	Score	.41
Exons	1301..1329, 2352..2653, 2666..2768, 2839..3187		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22694	Strand	-
Start	13611	End	13784
Name	OJ990410_26.9922.C4.o5.gp	Method	AAT/GAP
Start	13611	End	13784
GI	none	Score	301
Exons	13611..13784		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22695	Strand	-

Start	16030	End	17094
Name	OJ990410_26.9922.C4.o3.gs	Method	GENSCAN
Start	16030	End	17094
GI	none	Score	.62
Exons	16030..16111, 16994..17094		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22696	Strand	-
Start	35620	End	37658
Name	OJ990410_26.9922.C4.o5.gs	Method	GENSCAN
Start	35620	End	37658
GI	none	Score	.53
Exons	35620..35747, 36255..36365, 36969..36993, 37137..37356, 37558..37658		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22697	Strand	-
Start	38117	End	38551
Name	OJ990410_26.9922.C4.o6.gs	Method	GENSCAN
Start	38117	End	38551
GI	none	Score	.99
Exons	38117..38551		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22698	Strand	-
Start	41129	End	41898
Name	OJ990410_26.9922.C4.o8.gp	Method	AAT/GAP
Start	41129	End	41898
GI	uC-osroM202017f01b1	Score	743
Exons	41129..41408, 41771..41898		
GI Descrip.	'3641252 1.0e-11 (AF053127) leucine-rich receptor-like protein kinase [Malus domestica]'		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22699	Strand	-
Start	47807	End	48821
Name	OJ990410_26.9922.C4.o8.gs	Method	GENSCAN
Start	47807	End	48821
GI	none	Score	.59
Exons	47807..48025, 48119..48197, 48724..48821		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22700	Strand	-
Start	55858	End	56360
Name	OJ990410_26.9922.C4.o11.gp	Method	AAT/GAP
Start	55858	End	56360
GI	LIB3431-063-P1-K1-A1	Score	836
Exons	55858..55897, 55932..56360		
GI Descrip.	'487298/dbj|D29997|RICEN265 0.0e+00 Rice mRNA EN26, partial sequence'		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22701	Strand	-
Start	56370	End	57001
Name	OJ990410_26.9922.C4.o12.gp	Method	AAT/GAP
Start	56370	End	57001
GI	4685_1.R1084	Score	1199

Exons	56370..57001		
GI Descrip.	'3641252 5.0e-18 (AF053127) leucine-rich receptor-like protein kinase [Malus domestica]'		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	5579	End	7533
GI	none	Score	126
Exons	5579..5695, 5580..5696, 5581..5694, 6460..6720, 6473..6724, 6477..6725, 6478..6726, 6826..6936, 6842..7009, 6845..7006, 7247..7315, 7427..7525, 7429..7533, 7432..7533		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o6.ts	Method	TBLASTX:Soybean
Start	7417	End	8873
GI	none	Score	166
Exons	7417..7629, 8252..8422, 8252..8413, 8254..8421, 8672..8770, 8677..8769, 8847..8873		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o14.tm	Method	TBLASTX:Maize
Start	8349	End	9474
GI	none	Score	49
Exons	8349..8384, 8367..8420, 8677..8769, 8678..8797, 8678..8770, 8827..8928, 8847..8918, 8848..8922, 9361..9474, 9405..9470		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o7.tm	Method	TBLASTX:Maize
Start	12028	End	13019
GI	none	Score	119
Exons	12028..12129, 12041..12136, 12378..12413, 12409..12444, 12445..12645, 12766..12837, 12786..12836, 12917..13006, 12939..13019		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	12049	End	13500
GI	none	Score	129
Exons	12049..12129, 12050..12145, 12403..12453, 12445..12648, 12748..12837, 12786..12836, 12917..13087, 12939..13058, 13109..13240, 13132..13239, 13356..13451, 13362..13499, 13363..13500		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o3.tc	Method	TBLASTX:Cress

Start	12526	End	13060
GI	none	Score	183
Exons	12526..12645, 12750..12827, 12754..12837, 12917..13060, 12939..13055		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o10.tm	Method	TBLASTX:Maize
Start	13020	End	13479
GI	none	Score	60
Exons	13020..13058, 13021..13056, 13109..13240, 13132..13242, 13132..13239, 13316..13453, 13361..13477, 13362..13478, 13363..13479, 13363..13479		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o4.tc	Method	TBLASTX:Cress
Start	13109	End	13497
GI	none	Score	160
Exons	13109..13237, 13356..13439, 13362..13496, 13363..13497, 13363..13497		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	21716	End	22680
GI	none	Score	100
Exons	21716..21808, 21717..21803, 22025..22261, 22038..22259, 22140..22271, 22141..22260, 22351..22455, 22356..22454, 22357..22479, 22449..22661, 22450..22680, 22450..22680		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	22356	End	22944
GI	none	Score	174
Exons	22356..22466, 22357..22485, 22474..22680, 22687..22797, 22756..22944		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o8.tm	Method	TBLASTX:Maize
Start	22702	End	22994
GI	none	Score	377
Exons	22702..22977, 22708..22977, 22716..22994		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o13.tm	Method	TBLASTX:Maize
Start	23093	End	23232
GI	none	Score	188

Exons	23093..23224, 23093..23224, 23095..23232, 23095..23226		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	23251	End	23927
GI	none	Score	896
Exons	23251..23847, 23252..23848, 23859..23927, 23871..23927		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o5.ts	Method	TBLASTX:Soybean
Start	23419	End	23764
GI	none	Score	100
Exons	23419..23472, 23420..23575, 23500..23565, 23588..23764, 23588..23731, 23590..23763		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	52928	End	56677
GI	none	Score	48
Exons	52928..53077, 53078..53128, 53209..53388, 53210..53317, 53210..53437, 53213..53296, 53315..53446, 53321..53437, 53330..53758, 53336..53542, 53336..53446, 53339..53446, 53429..53701, 53435..54106, 53435..53902, 53435..53842, 53438..54166, 53446..53532, 53450..54058, 53477..54160, 53546..54346, 53603..53902, 53618..53809, 53618..54406, 53678..54166, 53762..54613, 53816..54106, 54029..54343, 54091..54474, 54101..54418, 54160..54468, 54224..54619, 54232..54486, 54272..54550, 54310..54663, 54338..54529, 54431..54550, 55069..55227, 55070..55228, 55220..55405, 55225..55401, 56375..56476, 56395..56469, 56483..56677, 56591..56677		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o12.tm	Method	TBLASTX:Maize
Start	52931	End	53136
GI	none	Score	195
Exons	52931..53113, 52937..53134, 52939..53136		
Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	53210	End	56668
GI	none	Score	69
Exons	53210..53317, 53210..53317, 53213..53317, 53222..53317, 53222..53371, 53315..53446, 53315..53449, 53315..54100, 53318..53893, 53339..53827, 53432..54019, 53450..54064, 53456..53560, 53522..54160, 53558..53965, 53582..54106, 53630..53974, 53648..54106, 53696..54115, 53786..54166,		

53864..54544, 53912..54163, 54038..54472, 54143..54589,
54203..54550, 54206..54562, 54229..54411, 54272..54541,
54301..54468, 54374..54565, 54562..54609, 54563..54610,
54965..55048, 55073..55207, 55091..55195, 55238..55411,
55261..55404, 55277..55408, 56375..56506, 56395..56499,
56543..56668

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o6.tm	Method	TBLASTX:Maize
Start	53210	End	54619
GI	none	Score	89

Exons 53210..53317, 53210..53320, 53213..53464, 53222..53317,
53222..53329, 53315..53437, 53339..53473, 53432..53623,
53435..53695, 53438..53824, 53449..53604, 53450..53893,
53450..53617, 53495..53767, 53513..53965, 53558..53839,
53714..54160, 53771..53974, 53803..54063, 53984..54253,
54143..54550, 54149..54406, 54206..54487, 54206..54619,
54286..54543, 54286..54468, 54287..54544, 54379..54549

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o9.tm	Method	TBLASTX:Maize
Start	54962	End	56467
GI	none	Score	139

Exons 54962..55216, 55082..55201, 55235..55408, 55240..55404,
56375..56467

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	55081	End	55375
GI	none	Score	118

Exons 55081..55194, 55082..55207, 55237..55350, 55238..55375

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	57350	End	58439
GI	none	Score	129

Exons 57350..57391, 57391..57492, 57400..57504, 57438..57521,
57479..57688, 57481..57714, 57482..57712, 57692..57766,
57697..57798, 57704..57799, 57897..58124, 57898..58134,
58057..58125, 58305..58439, 58305..58403, 58307..58438

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o10.gs	Method	GENSCAN
Start	57370	End	64368
GI	none	Score	.85

Exons 57370..57798, 57900..58124, 58307..58667, 58778..58871,
58949..59182, 59704..59822, 59919..60048, 62738..62857,

63013..63241, 64354..64368

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o6.np	Method	AAT/NAP
Start	57373	End	60025
GI	3540179	Score	1074
Exons	57373..57798, 57900..58124, 58307..58667, 58778..58871, 58949..59182, 59938..60025		
GI Descrip.	(AC004122) putative amino acid permease [Arabidopsis thaliana]		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	57376	End	59184
GI	none	Score	93
Exons	57376..57495, 57502..57687, 57506..57607, 57673..57801, 57701..57745, 57897..57962, 57898..57963, 57969..58124, 57970..58125, 57981..58145, 58307..58396, 58454..58585, 58772..58873, 58777..58878, 58948..59016, 58950..59183, 58951..59184		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	57382	End	59184
GI	none	Score	91
Exons	57382..57492, 57502..57687, 57503..57607, 57679..57801, 57697..57801, 57897..57962, 57898..57963, 57969..58124, 57970..58125, 58307..58417, 58436..58603, 58455..58604, 58772..58876, 58777..58872, 58950..59183, 58957..59184		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o11.tm	Method	TBLASTX:Maize
Start	58442	End	58595
GI	none	Score	219
Exons	58442..58594, 58443..58595		

Seq. No.	10671	Seq. ID	OJ990410_26.9922.C4
Gene No.	22702	Strand	-
Start	57370	End	64368
Name	OJ990410_26.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	58601	End	59184
GI	none	Score	43
Exons	58601..58696, 58623..58667, 58779..58823, 58779..58862, 58780..58878, 58781..58870, 58947..58976, 58947..59183, 58948..59184, 59140..59184		

Seq. No.	10672	Seq. ID	OJ990410_26.9922.C5
Gene No.	22703	Strand	+
Start	2838	End	5586
Name	OJ990410_26.9922.C5.o2.np	Method	AAT/NAP

Start	2838	End	5586
GI	4584355	Score	190
Exons	2838..2893, 5219..5586		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	10672	Seq. ID	OJ990410_26.9922.C5
Gene No.	22704	Strand	-
Start	2160	End	5455
Name	OJ990410_26.9922.C5.o1.np	Method	AAT/NAP
Start	2160	End	5160
GI	5042463	Score	303
Exons	2160..2183, 3984..4082, 4128..4287, 4993..5160		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	10672	Seq. ID	OJ990410_26.9922.C5
Gene No.	22704	Strand	-
Start	2160	End	5455
Name	OJ990410_26.9922.C5.o2.gs	Method	GENSCAN
Start	4775	End	5455
GI	none	Score	.9
Exons	4775..4881, 4993..5103, 5389..5455		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o2.np	Method	AAT/NAP
Start	1	End	9730
GI	2244866	Score	671
Exons	1..44, 6762..7290, 9444..9730		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o1.gp	Method	AAT/GAP
Start	658	End	1589
GI	98607_1.R1084	Score	1794
Exons	658..1589		
GI Descrip.	'1076290/pir||S51169 2.0e-30 amino acid transporter AAP4 - Arabidopsis thaliana >gi_608671_emb_CAA54631_ (X77500) amino acid transporter [Arabidopsis thaliana]'		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	1001	End	1699
GI	none	Score	337
Exons	1001..1330, 1011..1331, 1331..1699, 1332..1697		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o1.gs	Method	GENSCAN
Start	1007	End	4949
GI	none	Score	.68
Exons	1007..2015, 2109..2229, 2295..2528, 2636..2737, 4886..4949		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o1.np	Method	AAT/NAP
Start	1010	End	5058
GI	4138679	Score	1171
Exons	1010..2015, 2109..2202, 2295..2532, 4887..5058		
GI Descrip.	(Y09591) amino acid transporter [Vicia faba]		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	1013	End	2533
GI	none	Score	107
Exons	1013..1303, 1119..1304, 1343..1507, 1502..1747, 1506..1907, 1772..2014, 2135..2215, 2293..2532, 2294..2533		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	1115	End	2533
GI	none	Score	256
Exons	1115..1507, 1125..1508, 1502..1762, 1503..1754, 1743..1943, 1754..2014, 2135..2215, 2293..2532, 2294..2533		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	1133	End	1508
GI	none	Score	136
Exons	1133..1303, 1158..1301, 1349..1507, 1350..1508		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	1841	End	2536
GI	none	Score	62
Exons	1841..2029, 1842..2030, 2135..2215, 2293..2532, 2294..2536		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o2.gp	Method	AAT/GAP
Start	2150	End	5003
GI	5607375	Score	742
Exons	2150..2202, 2295..2528, 4886..5003		
GI Descrip.	1076290/pir||S51169 2.0e-30 amino acid transporter AAP4 - Arabidopsis thaliana >gi_608671_emb_CAA54631_ (X77500) amino acid transporter [Arabidopsis thaliana]		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-

Start	1	End	9845
Name	OJ990410_26.9922.C6.o3.gp	Method	AAT/GAP
Start	6463	End	7101
GI	57195_1.R1084	Score	1214
Exons	6463..7101		
GI Descrip.	'2244866/emb|CAB10288.1| 1.0e-28 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o2.gs	Method	GENSCAN
Start	6724	End	9845
GI	none	Score	.65
Exons	6724..7290, 8955..9161, 9444..9845		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o3.tc	Method	TBLASTX:Cress
Start	6733	End	6969
GI	none	Score	97
Exons	6733..6969, 6740..6910		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	6736	End	9696
GI	none	Score	507
Exons	6736..7293, 6737..7291, 7066..7293, 9438..9677, 9448..9678, 9661..9696		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	6748	End	9674
GI	none	Score	77
Exons	6748..6978, 6752..6910, 6973..7293, 7130..7291, 9438..9563, 9448..9564, 9594..9674		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o2.tc	Method	TBLASTX:Cress
Start	7069	End	9563
GI	none	Score	71
Exons	7069..7239, 7118..7192, 7222..7293, 7223..7291, 9438..9491, 9489..9563		

Seq. No.	10673	Seq. ID	OJ990410_26.9922.C6
Gene No.	22705	Strand	-
Start	1	End	9845
Name	OJ990410_26.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	7148	End	9678
GI	none	Score	201

Exons	7148..7291, 7148..7291, 7150..7293, 7150..7293, 9441..9677, 9442..9678, 9517..9615		
Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22706	Strand	+
Start	4927	End	15983
Name	OJ990410_26.9922.C7.o3.gs	Method	GENSCAN
Start	4927	End	5514
GI	none	Score	.95
Exons	4927..5514		
Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22706	Strand	+
Start	4927	End	15983
Name	OJ990410_26.9922.C7.o3.np	Method	AAT/NAP
Start	5074	End	15983
GI	227711	Score	85
Exons	5074..5238, 15481..15983		
GI Descrip.	voltage dependent Ca channel BI-2 [Oryctolagus cuniculus]		
Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22706	Strand	+
Start	4927	End	15983
Name	OJ990410_26.9922.C7.o3.gp	Method	AAT/GAP
Start	5515	End	5850
GI	4716463	Score	619
Exons	5515..5850		
Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22706	Strand	+
Start	4927	End	15983
Name	OJ990410_26.9922.C7.o2.np	Method	AAT/NAP
Start	11370	End	12943
GI	6723433	Score	1509
Exons	11370..11918, 12092..12943		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		
Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22707	Strand	-
Start	1184	End	2272
Name	OJ990410_26.9922.C7.o1.np	Method	AAT/NAP
Start	1173	End	2272
GI	2244866	Score	634
Exons	1173..1787, 1932..2272		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22707	Strand	-
Start	1184	End	2272
Name	OJ990410_26.9922.C7.o2.gs	Method	GENSCAN
Start	1184	End	2171
GI	none	Score	.71
Exons	1184..1702, 1710..1787, 1932..2171		
Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22708	Strand	-
Start	3607	End	3957

Name	OJ990410_26.9922.C7.o2.gp	Method	AAT/GAP
Start	3607	End	3957
GI	2442369	Score	610
Exons	3607..3957		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22709	Strand	-
Start	6641	End	6934
Name	OJ990410_26.9922.C7.o4.gs	Method	GENSCAN
Start	6641	End	6934
GI	none	Score	.8
Exons	6641..6934		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o2.tc	Method	TBLASTX:Cress
Start	1203	End	1459
GI	none	Score	123
Exons	1203..1427, 1211..1420, 1412..1459		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	1217	End	2186
GI	none	Score	165
Exons	1217..1420, 1218..1412, 1400..1471, 1409..1474, 1413..1535, 1470..1715, 1487..1705, 1499..1717, 1705..1788, 1707..1790, 1716..1790, 1934..1957, 1947..2186, 1960..2172		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	1235	End	2168
GI	none	Score	88
Exons	1235..1420, 1269..1427, 1400..1468, 1413..1469, 1469..1702, 1488..1598, 1626..1751, 1716..1790, 1761..1805, 1926..1967, 1956..2063, 1960..2058, 2088..2168		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o3.tc	Method	TBLASTX:Cress
Start	1565	End	1790
GI	none	Score	58
Exons	1565..1717, 1719..1790		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	1646	End	8075
GI	none	Score	83
Exons	1646..1702, 1646..1702, 1647..1715, 1708..1788, 1716..1790, 1956..2174, 1960..2175, 1993..2109, 7998..8075		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	5041	End	8212
GI	none	Score	69
Exons	5041..5103, 5134..5496, 5148..5288, 5334..5495, 7735..7776, 7858..7971, 7859..7966, 8050..8163, 8051..8164, 8174..8212		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	11751	End	12175
GI	none	Score	260
Exons	11751..11921, 11753..11905, 11756..11926, 11758..11919, 12090..12164, 12091..12168, 12091..12171, 12092..12175, 12104..12172		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	12125	End	12412
GI	none	Score	391
Exons	12125..12412, 12125..12409, 12127..12411		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	12184	End	12956
GI	none	Score	1122
Exons	12184..12921, 12185..12931, 12188..12928, 12636..12956		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	12203	End	12656
GI	none	Score	614
Exons	12203..12655, 12203..12652, 12211..12654, 12519..12656		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o4.ts	Method	TBLASTX:Soybean
Start	12758	End	12937
GI	none	Score	286
Exons	12758..12937, 12758..12931, 12760..12933		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o6.gs	Method	GENSCAN
Start	13746	End	17343

GI	none	Score	.8
Exons	13746..14420, 14540..14598, 14706..14807, 15010..15049, 15474..15834, 15932..16037, 16683..16797, 17259..17343		

Seq. No.	10674	Seq. ID	OJ990410_26.9922.C7
Gene No.	22710	Strand	-
Start	13746	End	17343
Name	OJ990410_26.9922.C7.o5.ts	Method	TBLASTX:Soybean
Start	14189	End	14421
GI	none	Score	73
Exons	14189..14398, 14190..14420, 14191..14421, 14191..14421		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22711	Strand	+
Start	1	End	303
Name	OJ990410_21.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	303
GI	5042454	Score	73
Exons	1..35, 241..303		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22712	Strand	+
Start	250	End	2231
Name	OJ990410_21.9922.C1.o1.gs	Method	GENSCAN
Start	250	End	2231
GI	none	Score	.43
Exons	250..320, 885..1028, 1123..1192, 2151..2231		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22713	Strand	+
Start	8303	End	14306
Name	OJ990410_21.9922.C1.o2.gs	Method	GENSCAN
Start	8303	End	14306
GI	none	Score	.54
Exons	8303..9220, 9291..9723, 10326..10375, 13074..13355, 14066..14159, 14254..14306		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22713	Strand	+
Start	8303	End	14306
Name	OJ990410_21.9922.C1.o2.np	Method	AAT/NAP
Start	8354	End	9920
GI	5915840	Score	900
Exons	8354..8812, 8843..9220, 9291..9920		
GI Descrip.	CYTOCHROME P450 71D11 gi|2367431 (AF000403) putative cytochrome P450 [Lotus japonicus]		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22714	Strand	+
Start	19912	End	22818
Name	OJ990410_21.9922.C1.o4.gs	Method	GENSCAN
Start	19912	End	21658
GI	none	Score	.71
Exons	19912..19971, 20065..20368, 20438..20577, 20686..20880, 20977..21264, 21472..21658		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22714	Strand	+
Start	19912	End	22818
Name	OJ990410_21.9922.C1.o3.np	Method	AAT/NAP
Start	20230	End	22818
GI	4510385	Score	898
Exons	20230..20368, 20480..20577, 20686..20880, 20977..21264, 21472..21658, 22565..22605, 22729..22818		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22714	Strand	+
Start	19912	End	22818
Name	OJ990410_21.9922.C1.o2.gp	Method	AAT/GAP
Start	20677	End	21525
GI	uC-osflcyp142f05b1	Score	1010
Exons	20677..20880, 20977..21264, 21472..21525		
GI Descrip.	'4510385/gb|AAD21473.1| 6.0e-67 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22715	Strand	-
Start	3370	End	3938
Name	OJ990410_21.9922.C1.o1.gp	Method	AAT/GAP
Start	3370	End	3938
GI	4879016	Score	860
Exons	3370..3938		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22716	Strand	
Start	8407	End	9905
Name	OJ990410_21.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	8407	End	8791
GI	none	Score	425
Exons	8407..8751, 8408..8788, 8660..8791		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22716	Strand	
Start	8407	End	9905
Name	OJ990410_21.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	8408	End	9892
GI	none	Score	262
Exons	8408..8728, 8852..9121, 9125..9220, 9285..9398, 9290..9394, 9429..9656, 9491..9655, 9675..9869, 9680..9892		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22716	Strand	
Start	8407	End	9905
Name	OJ990410_21.9922.C1.o2.tc	Method	TBLASTX:Cress
Start	8411	End	9806
GI	none	Score	67
Exons	8411..8467, 8456..8710, 9285..9656, 9360..9476, 9470..9526, 9551..9655, 9675..9806, 9680..9748		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22716	Strand	
Start	8407	End	9905
Name	OJ990410_21.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	9032	End	9761
GI	none	Score	88
Exons	9032..9136, 9128..9220, 9189..9221, 9190..9222, 9290..9409, 9291..9410, 9293..9424, 9357..9410, 9407..9667, 9408..9668, 9674..9748, 9675..9761, 9675..9761		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22716	Strand	
Start	8407	End	9905
Name	OJ990410_21.9922.C1.o2.tw	Method	TBLASTX:Wheat
Start	9131	End	9605
GI	none	Score	59
Exons	9131..9220, 9290..9397, 9291..9407, 9411..9605, 9416..9604		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22716	Strand	
Start	8407	End	9905
Name	OJ990410_21.9922.C1.o3.tw	Method	TBLASTX:Wheat
Start	9630	End	9905
GI	none	Score	50
Exons	9630..9659, 9674..9901, 9675..9869, 9675..9905, 9826..9870		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22717	Strand	
Start	11710	End	12721
Name	OJ990410_21.9922.C1.o4.tm	Method	TBLASTX:Maize
Start	11710	End	12721
GI	none	Score	75
Exons	11710..11829, 11711..11839, 11719..11841, 11740..11829, 11761..11835, 11813..11842, 11816..11926, 11912..11989, 11924..11983, 11925..12020, 11932..12012, 11934..12023, 12036..12185, 12042..12188, 12044..12148, 12054..12170, 12058..12195, 12060..12194, 12064..12183, 12064..12189, 12125..12202, 12206..12238, 12249..12365, 12257..12388, 12258..12359, 12258..12374, 12258..12377, 12260..12379, 12261..12365, 12261..12338, 12263..12373, 12264..12368, 12265..12366, 12273..12398, 12376..12495, 12380..12532, 12387..12542, 12389..12529, 12398..12523, 12406..12519, 12412..12513, 12413..12520, 12414..12521, 12415..12513, 12420..12524, 12421..12531, 12428..12514, 12542..12700, 12544..12606, 12545..12721, 12546..12647, 12553..12720, 12567..12674, 12567..12680, 12569..12697, 12579..12698		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22718	Strand	
Start	19875	End	22824
Name	OJ990410_21.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	19875	End	22824
GI	none	Score	89
Exons	19875..19973, 19908..19973, 19909..19974, 19913..19975, 20064..20363, 20065..20364, 20065..20328, 20085..20363, 20438..20572, 20470..20580, 20473..20577, 20475..20579, 20685..20894, 20686..20874, 20691..20885, 20976..21263,		

20976..21263, 20977..21264, 21471..21659, 21472..21660,
21474..21659, 22562..22612, 22564..22611, 22731..22817,
22732..22824

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22718	Strand	
Start	19875	End	22824
Name	OJ990410_21.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	19896	End	20523
GI	none	Score	74
Exons	19896..19973, 19903..19974, 20064..20312, 20065..20373, 20065..20313, 20085..20366, 20470..20523, 20478..20519		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22718	Strand	
Start	19875	End	22824
Name	OJ990410_21.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	19897	End	20319
GI	none	Score	109
Exons	19897..19974, 19901..19978, 19902..19973, 20064..20318, 20065..20319, 20085..20318		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22718	Strand	
Start	19875	End	22824
Name	OJ990410_21.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	20134	End	20784
GI	none	Score	328
Exons	20134..20328, 20137..20367, 20139..20354, 20470..20580, 20472..20576, 20685..20783, 20686..20784		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22718	Strand	
Start	19875	End	22824
Name	OJ990410_21.9922.C1.o3.tc	Method	TBLASTX:Cress
Start	20683	End	21129
GI	none	Score	230
Exons	20683..20874, 20683..20880, 20685..20888, 20808..20885, 20976..21128, 20976..21128, 20977..21129		

Seq. No.	10675	Seq. ID	OJ990410_21.9922.C1
Gene No.	22718	Strand	
Start	19875	End	22824
Name	OJ990410_21.9922.C1.o3.ts	Method	TBLASTX:Soybean
Start	20786	End	21591
GI	none	Score	136
Exons	20786..20881, 20793..20894, 20794..20874, 20796..20885, 20975..21070, 20976..21071, 20976..21263, 20977..21267, 21478..21591		

Seq. No.	10676	Seq. ID	OJ990410_21.9922.C2
Gene No.	22719	Strand	+
Start	42	End	348
Name	OJ990410_21.9922.C2.o1.gs	Method	GENSCAN
Start	42	End	348
GI	none	Score	.75
Exons	42..92, 271..348		

Seq. No.	10677	Seq. ID	OJ990410_21.9922.C3
Gene No.	22720	Strand	+
Start	1	End	10165
Name	OJ990410_21.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	10165
GI	5917666	Score	322
Exons	1..63, 1965..2004, 3807..4053, 8800..10165		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	10677	Seq. ID	OJ990410_21.9922.C3
Gene No.	22720	Strand	+
Start	1	End	10165
Name	OJ990410_21.9922.C3.o1.gs	Method	GENSCAN
Start	632	End	779
GI	none	Score	.45
Exons	632..779		

Seq. No.	10677	Seq. ID	OJ990410_21.9922.C3
Gene No.	22721	Strand	-
Start	1730	End	4085
Name	OJ990410_21.9922.C3.o2.gs	Method	GENSCAN
Start	1730	End	4085
GI	none	Score	.74
Exons	1730..1835, 1936..2040, 3751..4085		

Seq. No.	10677	Seq. ID	OJ990410_21.9922.C3
Gene No.	22722	Strand	-
Start	7423	End	11666
Name	OJ990410_21.9922.C3.o3.gs	Method	GENSCAN
Start	7423	End	11619
GI	none	Score	.5
Exons	7423..7554, 8975..9149, 9337..9625, 9751..10163, 10950..10994, 11008..11126, 11341..11388, 11509..11619		

Seq. No.	10677	Seq. ID	OJ990410_21.9922.C3
Gene No.	22722	Strand	-
Start	7423	End	11666
Name	OJ990410_21.9922.C3.o2.np	Method	AAT/NAP
Start	10906	End	11666
GI	4680183	Score	102
Exons	10906..10994, 11628..11666		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10678	Seq. ID	OJ990410_21.9922.C4
Gene No.	22723	Strand	-
Start	145	End	1437
Name	OJ990410_21.9922.C4.o1.gs	Method	GENSCAN
Start	145	End	1437
GI	none	Score	.45
Exons	145..281, 1329..1437		

Seq. No.	10679	Seq. ID	OJ990410_21.9922.C5
Gene No.	22724	Strand	+
Start	2593	End	3108
Name	OJ990410_21.9922.C5.o1.gp	Method	AAT/GAP
Start	2593	End	3108

GI	38782_1.R1084	Score	809
Exons	2593..3108		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	10679	Seq. ID	OJ990410_21.9922.C5
Gene No.	22725	Strand	-
Start	1	End	3880
Name	OJ990410_21.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	1189
GI	6907086	Score	962
Exons	1..352, 413..1189		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10679	Seq. ID	OJ990410_21.9922.C5
Gene No.	22725	Strand	-
Start	1	End	3880
Name	OJ990410_21.9922.C5.o1.gs	Method	GENSCAN
Start	437	End	3880
GI	none	Score	.68
Exons	437..876, 1682..1827, 2697..2809, 3875..3880		

Seq. No.	10679	Seq. ID	OJ990410_21.9922.C5
Gene No.	22725	Strand	-
Start	1	End	3880
Name	OJ990410_21.9922.C5.o2.np	Method	AAT/NAP
Start	1896	End	2852
GI	4680186	Score	174
Exons	1896..2311, 2786..2852		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22726	Strand	+
Start	158	End	225
Name	OJ990410_21.9922.C6.o1.gp	Method	AAT/GAP
Start	158	End	225
GI	LIB3431-004-P1-K1-G12	Score	78
Exons	158..225		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22727	Strand	+
Start	2178	End	9811
Name	OJ990410_21.9922.C6.o1.np	Method	AAT/NAP
Start	2178	End	9811
GI	4378066	Score	97
Exons	2178..2203, 8099..8323, 9784..9811		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22727	Strand	+
Start	2178	End	9811
Name	OJ990410_21.9922.C6.o1.gs	Method	GENSCAN
Start	4023	End	4923

GI	none	Score	.41
Exons	4023..4088, 4849..4923		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22728	Strand	+
Start	11382	End	12939
Name	OJ990410_21.9922.C6.o4.gs	Method	GENSCAN
Start	11382	End	12939
GI	none	Score	.64
Exons	11382..11388, 11446..11622, 11677..11771, 11832..11923, 12104..12170, 12491..12670, 12910..12939		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22729	Strand	+
Start	14896	End	23199
Name	OJ990410_21.9922.C6.o6.gs	Method	GENSCAN
Start	14896	End	23199
GI	none	Score	.51
Exons	14896..14969, 15497..15537, 16074..16139, 17573..17711, 17939..18054, 18805..18988, 19193..19311, 19476..19598, 19648..19768, 19939..20856, 20920..21058, 21320..22997, 23006..23199		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22729	Strand	+
Start	14896	End	23199
Name	OJ990410_21.9922.C6.o2.np	Method	AAT/NAP
Start	19958	End	23196
GI	6907089	Score	4138
Exons	19958..21216, 21331..23196		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22730	Strand	-
Start	4254	End	5535
Name	OJ990410_21.9922.C6.o2.gp	Method	AAT/GAP
Start	4254	End	5535
GI	uC-osroM202023g04b1	Score	1050
Exons	4254..4573, 5181..5277, 5404..5535		
GI Descrip.	'2739368 2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]'		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22731	Strand	-
Start	9275	End	10119
Name	OJ990410_21.9922.C6.o3.gs	Method	GENSCAN
Start	9275	End	10119
GI	none	Score	.82
Exons	9275..9681, 9932..10017, 10034..10119		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22732	Strand	-
Start	13786	End	14040
Name	OJ990410_21.9922.C6.o5.gs	Method	GENSCAN
Start	13786	End	14040
GI	none	Score	.89
Exons	13786..13946, 13986..14040		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22733	Strand	-
Start	23819	End	29909
Name	OJ990410_21.9922.C6.o7.gs	Method	GENSCAN
Start	23819	End	29909
GI	none	Score	.58
Exons	23819..25339, 25373..25561, 25595..26134, 26142..27092, 27138..27356, 27420..27895, 27976..27989, 28071..28830, 28937..29152, 29176..29497, 29509..29751, 29805..29909		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22733	Strand	-
Start	23819	End	29909
Name	OJ990410_21.9922.C6.o3.np	Method	AAT/NAP
Start	23822	End	29229
GI	6498441	Score	6894
Exons	23822..24103, 24197..25594, 25766..26490, 26665..26799, 26983..27356, 27420..27883, 28213..29229		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	2710	End	3191
GI	none	Score	102
Exons	2710..2808, 2711..2809, 2809..3105, 2814..3092, 2881..3105, 3105..3191, 3110..3190		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o7.tw	Method	TBLASTX:Wheat
Start	3125	End	3476
GI	none	Score	237
Exons	3125..3304, 3126..3476		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	7988	End	26778
GI	none	Score	75
Exons	7988..8101, 26358..26777, 26383..26778		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o5.tw	Method	TBLASTX:Wheat
Start	8206	End	24433
GI	none	Score	75
Exons	8206..8286, 23831..23956, 23835..23957, 23971..24117, 24144..24428, 24149..24433		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o4.tw	Method	TBLASTX:Wheat
Start	24434	End	24815
GI	none	Score	222
Exons	24434..24814, 24465..24815		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	24620	End	24952
GI	none	Score	83
Exons	24620..24832, 24629..24952, 24642..24923		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o9.tw	Method	TBLASTX:Wheat
Start	25145	End	25457
GI	none	Score	59
Exons	25145..25420, 25281..25457		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o6.tw	Method	TBLASTX:Wheat
Start	25460	End	25918
GI	none	Score	84
Exons	25460..25609, 25461..25598, 25475..25600, 25653..25829, 25670..25894, 25697..25918		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	26328	End	26699
GI	none	Score	77
Exons	26328..26699, 26539..26682		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o4.tm	Method	TBLASTX:Maize
Start	26451	End	26835
GI	none	Score	218
Exons	26451..26834, 26470..26835		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	26862	End	27218
GI	none	Score	73
Exons	26862..26978, 26862..27218, 26872..27183		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	26886	End	27348
GI	none	Score	210
Exons	26886..27347, 26892..27347, 26893..27348		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	27513	End	27999
GI	none	Score	171
Exons	27513..27998, 27544..27804, 27826..27999		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o8.tw	Method	TBLASTX:Wheat
Start	28736	End	29078
GI	none	Score	73
Exons	28736..28870, 28875..28901, 28905..28946, 28929..29027, 28930..29010, 29034..29078		

Seq. No.	10680	Seq. ID	OJ990410_21.9922.C6
Gene No.	22734	Strand	-
Start	29956	End	30034
Name	OJ990410_21.9922.C6.o4.np	Method	AAT/NAP
Start	29956	End	30034
GI	5042454	Score	85
Exons	29956..30034		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22735	Strand	+
Start	82	End	4281
Name	OJ990410_21.9922.C7.o1.gs	Method	GENSCAN
Start	82	End	4281
GI	none	Score	.67
Exons	82..112, 1616..1838, 2412..2566, 2958..3207, 4104..4281		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22736	Strand	+
Start	19272	End	19878
Name	OJ990410_21.9922.C7.o3.gs	Method	GENSCAN
Start	19272	End	19878
GI	none	Score	.45
Exons	19272..19592, 19735..19878		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22737	Strand	+
Start	23256	End	23750
Name	OJ990410_21.9922.C7.o2.gp	Method	AAT/GAP
Start	23256	End	23750
GI	39479_1.R1084	Score	900
Exons	23256..23750		

GI Descrip. '629688/pir||S46210 1.0e-23 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o2.gs	Method	GENSCAN
Start	5313	End	13815
GI	none	Score	.41
Exons	5313..5332, 5509..5674, 6031..6179, 6496..6593, 8235..8476, 9074..9241, 11225..11512, 11952..12170, 13567..13672, 13805..13815		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	5372	End	7013
GI	none	Score	69
Exons	5372..5422, 5373..5417, 5374..5424, 5375..5422, 5495..5662, 5503..5664, 5503..5661, 5510..5677, 5511..5672, 6023..6133, 6030..6083, 6031..6171, 6031..6180, 6488..6637, 6498..6638, 6722..6793, 6723..6833, 6723..6833, 6931..7011, 6932..7012, 6933..7013		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o1.np	Method	AAT/NAP
Start	5462	End	8404
GI	5457882	Score	163
Exons	5462..5674, 6037..6101, 6423..6616, 6738..6863, 8204..8404		
GI Descrip.	(AJ248284) shikimate 5-dehydrogenase (aroE) [Pyrococcus abyssi]		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	5522	End	20883
GI	none	Score	72
Exons	5522..5677, 5523..5675, 6031..6180, 6041..6130, 6491..6592, 6497..6559, 6498..6593, 6723..6803, 6795..6833, 6931..7011, 8235..8582, 8237..8584, 11940..12170, 11950..12171, 13565..13675, 13567..13683, 13573..13683, 20719..20883		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o1.gp	Method	AAT/GAP
Start	6031	End	6189
GI	4968760	Score	216
Exons	6031..6189		
GI Descrip.	629688/pir||S46210 3.0e-29 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana		

tabacum]

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	6729	End	8500
GI	none	Score	130
Exons	6729..6803, 6931..7011, 8235..8498, 8237..8500		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o2.np	Method	AAT/NAP
Start	6934	End	20799
GI	1362060	Score	753
Exons	6934..6994, 8235..8581, 11952..12170, 13567..13672, 20636..20799		
GI Descrip.	dehydroquinase-shikimate dehydrogenase - garden pea		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	8264	End	13675
GI	none	Score	257
Exons	8264..8584, 8265..8585, 11950..12171, 11952..12170, 13558..13671, 13565..13675, 13573..13674		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	8285	End	12047
GI	none	Score	280
Exons	8285..8584, 8289..8585, 11950..12042, 11952..12047		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o2.tc	Method	TBLASTX:Cress
Start	8501	End	13683
GI	none	Score	101
Exons	8501..8590, 8502..8612, 8514..8603, 11940..12170, 11965..12171, 13565..13675, 13573..13683		

Seq. No.	10681	Seq. ID	OJ990410_21.9922.C7
Gene No.	22738	Strand	-
Start	5313	End	23726
Name	OJ990410_21.9922.C7.o4.gs	Method	GENSCAN
Start	20521	End	23726
GI	none	Score	.83
Exons	20521..21199, 23710..23726		

Seq. No.	10682	Seq. ID	OJ990410_21.9922.C8
Gene No.	22739	Strand	-
Start	199	End	4640
Name	OJ990410_21.9922.C8.o2.tm	Method	TBLASTX:Maize

Start	193	End	3115
GI	none	Score	65
Exons	193..243, 197..247, 198..248, 200..250, 348..407, 355..522, 368..520, 691..834, 694..867, 2589..2750, 2592..2639, 2716..2754, 2835..2945, 2836..2943, 3033..3098, 3033..3098, 3034..3102, 3035..3115		

Seq. No.	10682	Seq. ID	OJ990410_21.9922.C8
Gene No.	22739	Strand	-
Start	199	End	4640
Name	OJ990410_21.9922.C8.o1.gp	Method	AAT/GAP
Start	199	End	2756
GI	39479_1.R1084	Score	874
Exons	199..245, 354..519, 694..842, 2612..2756		
GI Descrip.	'629688/pir||S46210 1.0e-23 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	10682	Seq. ID	OJ990410_21.9922.C8
Gene No.	22739	Strand	-
Start	199	End	4640
Name	OJ990410_21.9922.C8.o1.np	Method	AAT/NAP
Start	208	End	4640
GI	3169883	Score	936
Exons	208..251, 363..519, 694..842, 2612..2726, 2814..2942, 3033..3096, 4289..4640		
GI Descrip.	(AF033194) dehydroquinate dehydratase/shikimate:NADP oxidoreductase [Lycopersicon esculentum] gi|3169888 (AF034411) dehydroquinate dehydratase/shikimate:NADP oxidoreductase [Lycopersicon esculentum]		

Seq. No.	10682	Seq. ID	OJ990410_21.9922.C8
Gene No.	22739	Strand	-
Start	199	End	4640
Name	OJ990410_21.9922.C8.o1.gs	Method	GENSCAN
Start	354	End	4614
GI	none	Score	.8
Exons	354..519, 694..842, 2612..2752, 2825..2942, 3033..3096, 4289..4614		

Seq. No.	10682	Seq. ID	OJ990410_21.9922.C8
Gene No.	22739	Strand	-
Start	199	End	4640
Name	OJ990410_21.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	364	End	4638
GI	none	Score	96
Exons	364..525, 368..526, 694..867, 704..793, 2607..2717, 2808..2915, 2836..2907, 2907..2945, 2908..2943, 3033..3098, 4289..4636, 4291..4638		

Seq. No.	10682	Seq. ID	OJ990410_21.9922.C8
Gene No.	22739	Strand	-
Start	199	End	4640
Name	OJ990410_21.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	2803	End	4554
GI	none	Score	64

Exons	2803..2892, 2841..2915, 2845..2925, 2910..2945, 3033..3098, 4267..4515, 4289..4552, 4291..4554		
Seq. No.	10682	Seq. ID	OJ990410_21.9922.C8
Gene No.	22739	Strand	-
Start	199	End	4640
Name	OJ990410_21.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	4318	End	4639
GI	none	Score	266
Exons	4318..4638, 4319..4639		
Seq. No.	10682	Seq. ID	OJ990410_21.9922.C8
Gene No.	22739	Strand	-
Start	199	End	4640
Name	OJ990410_21.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	4337	End	4639
GI	none	Score	277
Exons	4337..4639, 4339..4638		
Seq. No.	10683	Seq. ID	OJ990410_21.9922.C9
Gene No.	22740	Strand	-
Start	1	End	7492
Name	OJ990410_21.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	7492
GI	629688	Score	418
Exons	1..42, 717..947, 2115..2220, 7212..7492		
GI Descrip.	dehydroquinase shikimate dehydrogenase - Common tobacco gi|535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]		
Seq. No.	10683	Seq. ID	OJ990410_21.9922.C9
Gene No.	22740	Strand	-
Start	1	End	7492
Name	OJ990410_21.9922.C9.o1.gs	Method	GENSCAN
Start	555	End	7399
GI	none	Score	.7
Exons	555..611, 729..947, 2115..2220, 2352..2362, 3796..3922, 5244..5288, 7104..7169, 7212..7399		
Seq. No.	10683	Seq. ID	OJ990410_21.9922.C9
Gene No.	22740	Strand	-
Start	1	End	7492
Name	OJ990410_21.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	717	End	2231
GI	none	Score	205
Exons	717..947, 742..948, 744..953, 2112..2222, 2112..2231, 2155..2223		
Seq. No.	10683	Seq. ID	OJ990410_21.9922.C9
Gene No.	22740	Strand	-
Start	1	End	7492
Name	OJ990410_21.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	717	End	941
GI	none	Score	294
Exons	717..941, 727..939, 728..940		
Seq. No.	10683	Seq. ID	OJ990410_21.9922.C9
Gene No.	22740	Strand	-

Start	1	End	7492
Name	OJ990410_21.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	717	End	7396
GI	none	Score	147
Exons	717..890, 717..947, 727..948, 2155..2223, 7211..7396	2112..2231, 2115..2219,	

Seq. No.	10684	Seq. ID	OJ990410_21.9922.C11
Gene No.	22741	Strand	+
Start	739	End	867
Name	OJ990410_21.9922.C11.o1.gs	Method	GENSCAN
Start	739	End	867
GI	none	Score	.72
Exons	739..867		

Seq. No.	10685	Seq. ID	OJ990410_21.9922.C15
Gene No.	22742	Strand	
Start	365	End	1036
Name	OJ990410_21.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	365	End	748
GI	none	Score	55
Exons	365..433, 434..748, 440..745,	442..747	

Seq. No.	10685	Seq. ID	OJ990410_21.9922.C15
Gene No.	22742	Strand	
Start	365	End	1036
Name	OJ990410_21.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	398	End	1036
GI	none	Score	403
Exons	398..922, 439..573, 620..778,	622..921,	956..1036

Seq. No.	10685	Seq. ID	OJ990410_21.9922.C15
Gene No.	22742	Strand	
Start	365	End	1036
Name	OJ990410_21.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	680	End	1036
GI	none	Score	176
Exons	680..916, 688..912, 956..1036		

Seq. No.	10686	Seq. ID	OJ990410_21.9922.C18
Gene No.	22743	Strand	-
Start	664	End	872
Name	OJ990410_21.9922.C18.o1.np	Method	AAT/NAP
Start	664	End	872
GI	6900306	Score	229
Exons	664..872		
GI Descrip.	(AJ250282) putative acid phosphatase [Hordeum vulgare]		

Seq. No.	10686	Seq. ID	OJ990410_21.9922.C18
Gene No.	22743	Strand	-
Start	664	End	872
Name	OJ990410_21.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	677	End	859
GI	none	Score	129
Exons	677..835, 678..836, 834..857,	836..859	

Seq. No.	10687	Seq. ID	OJ990410_21.9922.C24

Gene No.	22744	Strand	+
Start	1	End	675
Name	OJ990410_21.9922.C24.o1.np	Method	AAT/NAP
Start	1	End	675
GI	4680203	Score	456
Exons	1..51, 85..675		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10687	Seq. ID	OJ990410_21.9922.C24
Gene No.	22744	Strand	+
Start	1	End	675
Name	OJ990410_21.9922.C24.o1.gs	Method	GENSCAN
Start	80	End	650
GI	none	Score	.75
Exons	80..650		

Seq. No.	10687	Seq. ID	OJ990410_21.9922.C24
Gene No.	22744	Strand	+
Start	1	End	675
Name	OJ990410_21.9922.C24.o1.tw	Method	TBLASTX:Wheat
Start	92	End	640
GI	none	Score	236
Exons	92..508, 181..507, 521..640, 544..627		

Seq. No.	10687	Seq. ID	OJ990410_21.9922.C24
Gene No.	22744	Strand	+
Start	1	End	675
Name	OJ990410_21.9922.C24.o1.ts	Method	TBLASTX:Soybean
Start	196	End	501
GI	none	Score	88
Exons	196..450, 217..501, 218..499		

Seq. No.	10688	Seq. ID	OJ990410_21.9922.C25
Gene No.	22745	Strand	+
Start	1	End	1125
Name	OJ990410_21.9922.C25.o1.np	Method	AAT/NAP
Start	1	End	1103
GI	6742729	Score	796
Exons	1..1103		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	10688	Seq. ID	OJ990410_21.9922.C25
Gene No.	22745	Strand	+
Start	1	End	1125
Name	OJ990410_21.9922.C25.o1.gs	Method	GENSCAN
Start	18	End	808
GI	none	Score	.44
Exons	18..165, 187..276, 360..808		

Seq. No.	10688	Seq. ID	OJ990410_21.9922.C25
Gene No.	22745	Strand	+
Start	1	End	1125
Name	OJ990410_21.9922.C25.o1.tw	Method	TBLASTX:Wheat
Start	302	End	1125
GI	none	Score	426
Exons	302..730, 316..720, 419..763, 517..738, 744..812, 819..1019, 845..979, 1072..1125		

Seq. No.	10688	Seq. ID	OJ990410_21.9922.C25
Gene No.	22745	Strand	+
Start	1	End	1125
Name	OJ990410_21.9922.C25.o1.tm	Method	TBLASTX:Maize
Start	313	End	628
GI	none	Score	298
Exons	313..627, 314..628		

Seq. No.	10688	Seq. ID	OJ990410_21.9922.C25
Gene No.	22745	Strand	+
Start	1	End	1125
Name	OJ990410_21.9922.C25.o1.tc	Method	TBLASTX:Cress
Start	559	End	983
GI	none	Score	152
Exons	559..666, 563..730, 819..983		

Seq. No.	10689	Seq. ID	OJ990410_21.9922.C26
Gene No.	22746	Strand	+
Start	54	End	264
Name	OJ990410_21.9922.C26.o1.gs	Method	GENSCAN
Start	54	End	264
GI	none	Score	.64
Exons	54..264		

Seq. No.	10690	Seq. ID	OJ990410_21.9922.C29
Gene No.	22747	Strand	+
Start	267	End	385
Name	OJ990410_21.9922.C29.o1.gs	Method	GENSCAN
Start	267	End	385
GI	none	Score	.8
Exons	267..385		

Seq. No.	10691	Seq. ID	OJ990410_21.9922.C32
Gene No.	22748	Strand	-
Start	583	End	873
Name	OJ990410_21.9922.C32.o1.gs	Method	GENSCAN
Start	583	End	873
GI	none	Score	.42
Exons	583..873		

Seq. No.	10692	Seq. ID	OJ990410_21.9922.C33
Gene No.	22749	Strand	+
Start	1	End	651
Name	OJ990410_21.9922.C33.o1.np	Method	AAT/NAP
Start	1	End	651
GI	4680204	Score	592
Exons	1..651		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10692	Seq. ID	OJ990410_21.9922.C33
Gene No.	22749	Strand	+
Start	1	End	651
Name	OJ990410_21.9922.C33.o1.gs	Method	GENSCAN
Start	61	End	614
GI	none	Score	.95
Exons	61..614		

Seq. No.	10692	Seq. ID	OJ990410_21.9922.C33
Gene No.	22749	Strand	+
Start	1	End	651
Name	OJ990410_21.9922.C33.o1.tw	Method	TBLASTX:Wheat
Start	158	End	561
GI	none	Score	62
Exons	158..298, 158..268, 160..396, 466..561	160..309, 261..428, 391..561,	

Seq. No.	10693	Seq. ID	OJ990410_21.9922.C36
Gene No.	22750	Strand	-
Start	92	End	133
Name	OJ990410_21.9922.C36.o1.gs	Method	GENSCAN
Start	92	End	133
GI	none	Score	.66
Exons	92..133		

Seq. No.	10694	Seq. ID	OJ990410_21.9922.C37
Gene No.	22751	Strand	-
Start	124	End	1187
Name	OJ990410_21.9922.C37.o1.gs	Method	GENSCAN
Start	124	End	1187
GI	none	Score	.45
Exons	124..268, 855..1023, 1142..1187		

Seq. No.	10694	Seq. ID	OJ990410_21.9922.C37
Gene No.	22751	Strand	-
Start	124	End	1187
Name	OJ990410_21.9922.C37.o1.np	Method	AAT/NAP
Start	640	End	1065
GI	6539570	Score	251
Exons	640..703, 863..1065		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	10695	Seq. ID	OJ990410_21.9922.C38
Gene No.	22752	Strand	-
Start	482	End	2177
Name	OJ990410_21.9922.C38.o1.gs	Method	GENSCAN
Start	482	End	2177
GI	none	Score	.69
Exons	482..629, 763..890, 1403..1559, 1577..1614, 1896..2177		

Seq. No.	10695	Seq. ID	OJ990410_21.9922.C38
Gene No.	22752	Strand	-
Start	482	End	2177
Name	OJ990410_21.9922.C38.o1.np	Method	AAT/NAP
Start	544	End	672
GI	6721512	Score	52
Exons	544..672		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	10696	Seq. ID	OJ990410_21.9922.C39
Gene No.	22753	Strand	+
Start	1	End	54
Name	OJ990410_21.9922.C39.o1.gp	Method	AAT/GAP
Start	1	End	54

GI	39479_1.R1084	Score	83
Exons	1..54		
GI Descrip.	'629688/pir||S46210 1.0e-23 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	10697	Seq. ID	OJ990520_29.9922.C1
Gene No.	22754	Strand	+
Start	1	End	443
Name	OJ990520_29.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	443
GI	5091513	Score	197
Exons	1..27, 246..443		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10698	Seq. ID	OJ990520_29.9922.C2
Gene No.	22755	Strand	-
Start	1	End	660
Name	OJ990520_29.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	660
GI	4646203	Score	155
Exons	1..189, 634..660		
GI Descrip.	(AC007230) Belongs to PF|00026 Eukaryotic aspartyl protease family. [Arabidopsis thaliana]		

Seq. No.	10698	Seq. ID	OJ990520_29.9922.C2
Gene No.	22755	Strand	-
Start	1	End	660
Name	OJ990520_29.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	1	End	180
GI	none	Score	107
Exons	1..180, 5..175		

Seq. No.	10698	Seq. ID	OJ990520_29.9922.C2
Gene No.	22755	Strand	-
Start	1	End	660
Name	OJ990520_29.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	172
GI	none	Score	144
Exons	1..159, 2..157, 2..172		

Seq. No.	10699	Seq. ID	OJ990520_29.9922.C4
Gene No.	22756	Strand	-
Start	191	End	2602
Name	OJ990520_29.9922.C4.o1.gs	Method	GENSCAN
Start	191	End	2602
GI	none	Score	.51
Exons	191..404, 696..1715, 2561..2602		

Seq. No.	10700	Seq. ID	OJ990520_29.9922.C5
Gene No.	22757	Strand	+
Start	76	End	2440
Name	OJ990520_29.9922.C5.o1.gs	Method	GENSCAN
Start	76	End	2440
GI	none	Score	.87
Exons	76..145, 2292..2440		

Seq. No.	10700	Seq. ID	OJ990520_29.9922.C5
Gene No.	22757	Strand	+
Start	76	End	2440
Name	OJ990520_29.9922.C5.o1.gp	Method	AAT/GAP
Start	1340	End	1482
GI	21474_1.R1084	Score	246
Exons	1340..1482		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10700	Seq. ID	OJ990520_29.9922.C5
Gene No.	22758	Strand	-
Start	2133	End	2463
Name	OJ990520_29.9922.C5.o2.gp	Method	AAT/GAP
Start	2133	End	2463
GI	LIB3477-003-P1-K1-E9	Score	163
Exons	2133..2241, 2430..2463		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22759	Strand	+
Start	2024	End	3883
Name	OJ990520_29.9922.C6.o2.np	Method	AAT/NAP
Start	2024	End	3883
GI	6063554	Score	171
Exons	2024..2224, 2324..2562, 3711..3883		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22760	Strand	+
Start	5059	End	5859
Name	OJ990520_29.9922.C6.o2.gs	Method	GENSCAN
Start	5059	End	5859
GI	none	Score	.9
Exons	5059..5859		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22760	Strand	+
Start	5059	End	5859
Name	OJ990520_29.9922.C6.o3.np	Method	AAT/NAP
Start	5059	End	5856
GI	4512231	Score	1320
Exons	5059..5856		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22761	Strand	-
Start	1	End	23179
Name	OJ990520_29.9922.C6.o4.np	Method	AAT/NAP
Start	1	End	18614
GI	6850312	Score	297
Exons	1..41, 7294..7540, 7664..7797, 7886..7992, 18485..18614		

GI Descrip.	(AC009999) Contains similarity to nucellin from Hordeum vulgare gb|U87148. ESTs gb|T22068, gb|F14251, gb|F14237, gb|F14242 come from this gene. [Arabidopsis thaliana]		
Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22761	Strand	-
Start	1	End	23179
Name	OJ990520_29.9922.C6.o1.gs	Method	GENSCAN
Start	164	End	4257
GI	none	Score	.54
Exons	164..262, 732..912, 1024..1579, 1975..2302, 2318..2539, 2577..2833, 3948..4063, 4247..4257		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22761	Strand	-
Start	1	End	23179
Name	OJ990520_29.9922.C6.o1.gp	Method	AAT/GAP
Start	1124	End	7372
GI	uC-osflcyp176f10b1	Score	1076
Exons	1124..1599, 7297..7372		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22761	Strand	-
Start	1	End	23179
Name	OJ990520_29.9922.C6.o3.gs	Method	GENSCAN
Start	6837	End	8415
GI	none	Score	.63
Exons	6837..6861, 7297..7458, 7880..8031, 8353..8415		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22761	Strand	-
Start	1	End	23179
Name	OJ990520_29.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	7288	End	8005
GI	none	Score	92
Exons	7288..7452, 7293..7409, 7294..7536, 7295..7498, 7296..7568, 7671..7796, 7677..7754, 7678..7791, 7904..8005		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22761	Strand	-
Start	1	End	23179
Name	OJ990520_29.9922.C6.o4.gs	Method	GENSCAN
Start	9354	End	17745
GI	none	Score	.73
Exons	9354..9540, 9600..9721, 10801..11021, 11027..11291, 12210..12251, 12305..12431, 13066..13237, 15397..15590, 16135..16228, 17409..17525, 17703..17745		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22761	Strand	-
Start	1	End	23179
Name	OJ990520_29.9922.C6.o5.np	Method	AAT/NAP
Start	17292	End	23179
GI	4680204	Score	1035

Exons	17292..17334, 19528..19622, 19973..20192, 20289..20438, 20548..21671, 21746..23179		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22761	Strand	-
Start	1	End	23179
Name	OJ990520_29.9922.C6.o5.gs	Method	GENSCAN
Start	19476	End	23164
GI	none	Score	.55
Exons	19476..19652, 19732..19830, 19925..19997, 20082..20192, 20572..21257, 21259..21404, 21530..21671, 21746..21865, 21911..22076, 22206..23164		

Seq. No.	10701	Seq. ID	OJ990520_29.9922.C6
Gene No.	22761	Strand	-
Start	1	End	23179
Name	OJ990520_29.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	22136	End	22539
GI	none	Score	84
Exons	22136..22306, 22269..22436, 22301..22537, 22388..22537, 22399..22539, 22429..22539		

Seq. No.	10702	Seq. ID	OJ990520_29.9922.C7
Gene No.	22762	Strand	-
Start	1	End	3204
Name	OJ990520_29.9922.C7.o1.gp	Method	AAT/GAP
Start	1	End	3204
GI	342_1.R1084	Score	5332
Exons	1..341, 451..545, 628..647, 683..3204		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10702	Seq. ID	OJ990520_29.9922.C7
Gene No.	22762	Strand	-
Start	1	End	3204
Name	OJ990520_29.9922.C7.o1.gs	Method	GENSCAN
Start	755	End	3169
GI	none	Score	.98
Exons	755..3169		

Seq. No.	10702	Seq. ID	OJ990520_29.9922.C7
Gene No.	22762	Strand	-
Start	1	End	3204
Name	OJ990520_29.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	830	End	2147
GI	none	Score	131
Exons	830..922, 911..991, 996..1076, 1004..1144, 1005..1145, 1092..1187, 1124..1183, 1190..1234, 1195..1230, 1229..2146, 1245..2147		

Seq. No.	10702	Seq. ID	OJ990520_29.9922.C7
Gene No.	22762	Strand	-
Start	1	End	3204
Name	OJ990520_29.9922.C7.o1.np	Method	AAT/NAP
Start	1314	End	3204
GI	6742729	Score	3014

Exons 1314..3204
GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. No. 10702 Seq. ID OJ990520_29.9922.C7
Gene No. 22762 Strand -
Start 1 End 3204
Name OJ990520_29.9922.C7.o1.tc Method TBLASTX:Cress
Start 1411 End 1863
GI none Score 182
Exons 1411..1662, 1412..1849, 1412..1855, 1416..1859, 1422..1859, 1681..1863

Seq. No. 10702 Seq. ID OJ990520_29.9922.C7
Gene No. 22762 Strand -
Start 1 End 3204
Name OJ990520_29.9922.C7.o2.tm Method TBLASTX:Maize
Start 1790 End 2104
GI none Score 70
Exons 1790..2020, 1790..2104, 1818..2093

Seq. No. 10702 Seq. ID OJ990520_29.9922.C7
Gene No. 22762 Strand -
Start 1 End 3204
Name OJ990520_29.9922.C7.o3.tw Method TBLASTX:Wheat
Start 2148 End 2558
GI none Score 81
Exons 2148..2234, 2150..2239, 2150..2233, 2266..2478, 2267..2485, 2307..2489, 2495..2557, 2508..2558

Seq. No. 10702 Seq. ID OJ990520_29.9922.C7
Gene No. 22762 Strand -
Start 1 End 3204
Name OJ990520_29.9922.C7.o1.ts Method TBLASTX:Soybean
Start 2591 End 2833
GI none Score 204
Exons 2591..2833

Seq. No. 10702 Seq. ID OJ990520_29.9922.C7
Gene No. 22762 Strand -
Start 1 End 3204
Name OJ990520_29.9922.C7.o1.tm Method TBLASTX:Maize
Start 2663 End 3109
GI none Score 113
Exons 2663..2857, 2867..3109, 2868..3101

Seq. No. 10702 Seq. ID OJ990520_29.9922.C7
Gene No. 22762 Strand -
Start 1 End 3204
Name OJ990520_29.9922.C7.o2.tw Method TBLASTX:Wheat
Start 2697 End 3166
GI none Score 173
Exons 2697..2903, 2697..2906, 2702..2905, 2702..2926, 2906..3004, 2907..2999, 2987..3109, 3008..3112, 3012..3113, 3092..3148, 3113..3166, 3114..3158

Seq. No. 10702 Seq. ID OJ990520_29.9922.C7
Gene No. 22762 Strand -

Start	1	End	3204
Name	OJ990520_29.9922.C7.o2.tc	Method	TBLASTX:Cress
Start	2954	End	3203
GI	none	Score	93
Exons	2954..3202, 2958..3110, 3150..3203		

Seq. No.	10703	Seq. ID	OJ990520_29.9922.C8
Gene No.	22763	Strand	+
Start	3293	End	3982
Name	OJ990520_29.9922.C8.o3.gs	Method	GENSCAN
Start	3293	End	3982
GI	none	Score	.82
Exons	3293..3423, 3721..3982		

Seq. No.	10703	Seq. ID	OJ990520_29.9922.C8
Gene No.	22764	Strand	-
Start	1	End	1179
Name	OJ990520_29.9922.C8.o1.gp	Method	AAT/GAP
Start	1	End	1179
GI	2310235	Score	299
Exons	1..20, 593..731, 1142..1179		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	10703	Seq. ID	OJ990520_29.9922.C8
Gene No.	22764	Strand	-
Start	1	End	1179
Name	OJ990520_29.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	731
GI	4680203	Score	768
Exons	1..731		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10703	Seq. ID	OJ990520_29.9922.C8
Gene No.	22764	Strand	-
Start	1	End	1179
Name	OJ990520_29.9922.C8.o1.gs	Method	GENSCAN
Start	38	End	494
GI	none	Score	.99
Exons	38..494		

Seq. No.	10703	Seq. ID	OJ990520_29.9922.C8
Gene No.	22765	Strand	-
Start	2107	End	2965
Name	OJ990520_29.9922.C8.o2.gs	Method	GENSCAN
Start	2107	End	2965
GI	none	Score	.42
Exons	2107..2381, 2818..2965		

Seq. No.	10703	Seq. ID	OJ990520_29.9922.C8
Gene No.	22766	Strand	-
Start	4540	End	6759
Name	OJ990520_29.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	24	End	380
GI	none	Score	160
Exons	24..281, 29..280, 39..290, 40..282, 273..380		

Seq. No.	10703	Seq. ID	OJ990520_29.9922.C8
Gene No.	22766	Strand	-
Start	4540	End	6759
Name	OJ990520_29.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	39	End	257
GI	none	Score	103
Exons	39..257, 43..249		

Seq. No.	10703	Seq. ID	OJ990520_29.9922.C8
Gene No.	22766	Strand	-
Start	4540	End	6759
Name	OJ990520_29.9922.C8.o4.gs	Method	GENSCAN
Start	4540	End	6759
GI	none	Score	.86
Exons	4540..4618, 5866..5934, 6111..6235, 6592..6759		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22767	Strand	+
Start	201	End	337
Name	OJ990520_29.9922.C9.o1.gs	Method	GENSCAN
Start	201	End	337
GI	none	Score	.57
Exons	201..337		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22768	Strand	+
Start	4853	End	6566
Name	OJ990520_29.9922.C9.o2.gs	Method	GENSCAN
Start	4853	End	6566
GI	none	Score	.49
Exons	4853..5127, 6356..6427, 6497..6566		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o4.tw	Method	TBLASTX:Wheat
Start	18360	End	18747
GI	none	Score	356
Exons	18360..18746, 18371..18745, 18484..18747		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o1.np	Method	AAT/NAP
Start	18366	End	22271
GI	6539553	Score	6707
Exons	18366..22271		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	18495	End	18808

GI	none	Score	366
Exons	18495..18806, 18503..18808, 18505..18807		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	19307	End	19629
GI	none	Score	261
Exons	19307..19561, 19314..19628, 19334..19627, 19468..19629		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o5.tw	Method	TBLASTX:Wheat
Start	19907	End	20099
GI	none	Score	263
Exons	19907..19978, 19908..20099, 19908..20099		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o5.tm	Method	TBLASTX:Maize
Start	19956	End	20528
GI	none	Score	228
Exons	19956..20264, 20039..20230, 20283..20528		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o3.ts	Method	TBLASTX:Soybean
Start	20052	End	20477
GI	none	Score	197
Exons	20052..20276, 20060..20230, 20061..20231, 20277..20477, 20285..20323		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o2.tc	Method	TBLASTX:Cress
Start	20085	End	20477
GI	none	Score	112
Exons	20085..20267, 20280..20477		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	20100	End	20855
GI	none	Score	624
Exons	20100..20564, 20108..20587, 20608..20838, 20616..20855, 20638..20835, 20696..20854		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o1.ts	Method	TBLASTX:Soybean

Start	20775	End	21239
GI	5509260	Score	385
Exons	20775..21239, 20993..21088, 21161..21220		
GI Descrip.	-		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	20868	End	21128
GI	none	Score	286
Exons	20868..21128		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	20910	End	21374
GI	none	Score	357
Exons	20910..21374, 21045..21227		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o3.tw	Method	TBLASTX:Wheat
Start	20910	End	21455
GI	none	Score	318
Exons	20910..21254, 21057..21230, 21249..21455, 21323..21427		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	21302	End	21653
GI	none	Score	311
Exons	21302..21508, 21306..21554, 21309..21653		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o4.tm	Method	TBLASTX:Maize
Start	21465	End	21803
GI	none	Score	315
Exons	21465..21803, 21465..21788		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271
Name	OJ990520_29.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	21659	End	22135
GI	none	Score	101
Exons	21659..21706, 21660..21734, 21661..21735, 21749..22135, 21750..22097, 21751..22134		

Seq. No.	10704	Seq. ID	OJ990520_29.9922.C9
Gene No.	22769	Strand	+
Start	18366	End	22271

Name	OJ990520_29.9922.C9.o4.ts	Method	TBLASTX:Soybean
Start	21666	End	22007
GI	none	Score	90
Exons	21666..21779, 21798..22007, 21803..21928		

Seq. No.	10705	Seq. ID	OJ990520_29.9922.C10
Gene No.	22770	Strand	+
Start	149	End	1635
Name	OJ990520_29.9922.C10.o1.gs	Method	GENSCAN
Start	149	End	1635
GI	none	Score	.74
Exons	149..324, 337..384, 574..690, 894..1029, 1559..1635		

Seq. No.	10705	Seq. ID	OJ990520_29.9922.C10
Gene No.	22771	Strand	+
Start	5100	End	8549
Name	OJ990520_29.9922.C10.o2.gs	Method	GENSCAN
Start	5100	End	8549
GI	none	Score	.74
Exons	5100..5368, 5488..5620, 6833..6993, 8495..8549		

Seq. No.	10705	Seq. ID	OJ990520_29.9922.C10
Gene No.	22772	Strand	-
Start	1	End	5376
Name	OJ990520_29.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	5376
GI	6728988	Score	523
Exons	1..56, 544..699, 1542..1768, 4533..4762, 4891..5022, 5115..5376		
GI Descrip.	(AC018363) putative aspartyl protease [Arabidopsis thaliana]		

Seq. No.	10705	Seq. ID	OJ990520_29.9922.C10
Gene No.	22773	Strand	-
Start	10837	End	11721
Name	OJ990520_29.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	542	End	4738
GI	none	Score	143
Exons	542..688, 543..692, 556..696, 571..696, 1529..1720, 1545..1643, 1551..1757, 1552..1755, 1552..1770, 4530..4685, 4532..4738		

Seq. No.	10705	Seq. ID	OJ990520_29.9922.C10
Gene No.	22773	Strand	-
Start	10837	End	11721
Name	OJ990520_29.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	553	End	1778
GI	none	Score	77
Exons	553..696, 560..688, 1551..1778, 1552..1773		

Seq. No.	10705	Seq. ID	OJ990520_29.9922.C10
Gene No.	22773	Strand	-
Start	10837	End	11721
Name	OJ990520_29.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	574	End	1739
GI	none	Score	142
Exons	574..696, 1542..1739, 1558..1731		

Seq. No.	10705	Seq. ID	OJ990520_29.9922.C10
Gene No.	22773	Strand	-

Start	10837	End	11721
Name	OJ990520_29.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	4903	End	5224
GI	none	Score	92
Exons	4903..5016, 4904..4999, 4911..5021, 5114..5167, 5174..5224		

Seq. No.	10705	Seq. ID	OJ990520_29.9922.C10
Gene No.	22773	Strand	-
Start	10837	End	11721
Name	OJ990520_29.9922.C10.o3.gs	Method	GENSCAN
Start	10837	End	11721
GI	none	Score	.52
Exons	10837..10926, 11562..11721		

Seq. No.	10706	Seq. ID	OJ990520_29.9922.C11
Gene No.	22774	Strand	+
Start	1746	End	6667
Name	OJ990520_29.9922.C11.o1.gs	Method	GENSCAN
Start	1746	End	6667
GI	none	Score	.62
Exons	1746..1809, 5037..5147, 5418..5800, 5873..6667		

Seq. No.	10706	Seq. ID	OJ990520_29.9922.C11
Gene No.	22774	Strand	+
Start	1746	End	6667
Name	OJ990520_29.9922.C11.o1.np	Method	AAT/NAP
Start	2695	End	4643
GI	4680186	Score	195
Exons	2695..2940, 4442..4643		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10706	Seq. ID	OJ990520_29.9922.C11
Gene No.	22775	Strand	-
Start	1312	End	1808
Name	OJ990520_29.9922.C11.o1.gp	Method	AAT/GAP
Start	1312	End	1808
GI	uC-osflcyp126f10b1	Score	990
Exons	1312..1808		
GI Descrip.	'3915039/sp|Q41144|STC_RICCO 1.0e-15 SUGAR CARRIER PROTEIN C >gi_169718 (L08196) sugar carrier protein [Ricinus communis]'		

Seq. No.	10706	Seq. ID	OJ990520_29.9922.C11
Gene No.	22776	Strand	-
Start	5036	End	6650
Name	OJ990520_29.9922.C11.o2.np	Method	AAT/NAP
Start	5036	End	6650
GI	6907087	Score	430
Exons	5036..5137, 5679..6650		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10706	Seq. ID	OJ990520_29.9922.C11
Gene No.	22777	Strand	-
Start	7670	End	8363
Name	OJ990520_29.9922.C11.o2.gs	Method	GENSCAN
Start	7670	End	8363

GI	none	Score	.75
Exons	7670..7750, 8271..8363		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22778	Strand	+
Start	169	End	8321
Name	OJ990520_29.9922.C12.o1.gs	Method	GENSCAN
Start	169	End	8321
GI	none	Score	.48
Exons	169..262, 955..1013, 2064..2229, 3429..3555, 4225..4634, 4858..5002, 6847..6966, 7282..7396, 7403..7545, 7571..7714, 7736..8004, 8071..8321		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22778	Strand	+
Start	169	End	8321
Name	OJ990520_29.9922.C12.o2.np	Method	AAT/NAP
Start	2831	End	3599
GI	4680183	Score	182
Exons	2831..2901, 3510..3599		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22779	Strand	-
Start	948	End	1156
Name	OJ990520_29.9922.C12.o1.np	Method	AAT/NAP
Start	948	End	1156
GI	5852181	Score	112
Exons	948..1156		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22780	Strand	-
Start	8955	End	12317
Name	OJ990520_29.9922.C12.o2.gs	Method	GENSCAN
Start	8955	End	12317
GI	none	Score	.59
Exons	8955..9068, 11170..11274, 11955..12317		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22780	Strand	-
Start	8955	End	12317
Name	OJ990520_29.9922.C12.o1.gp	Method	AAT/GAP
Start	11720	End	12018
GI	61605_3.R1084	Score	419
Exons	11720..12018		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22781	Strand	-
Start	12464	End	12712
Name	OJ990520_29.9922.C12.o2.gp	Method	AAT/GAP
Start	12464	End	12712
GI	3761181	Score	409
Exons	12464..12712		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA,		

similar sequence to Pib gene

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22782	Strand	-
Start	14404	End	20886
Name	OJ990520_29.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	10296	End	10685
GI	none	Score	63
Exons	10296..10619, 10297..10494, 10626..10685		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22782	Strand	-
Start	14404	End	20886
Name	OJ990520_29.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	10849	End	11262
GI	none	Score	67
Exons	10849..10965, 10850..10960, 10975..11034, 11029..11262, 11030..11188		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22782	Strand	-
Start	14404	End	20886
Name	OJ990520_29.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	10906	End	11200
GI	none	Score	164
Exons	10906..11190, 10907..11200		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22782	Strand	-
Start	14404	End	20886
Name	OJ990520_29.9922.C12.o3.np	Method	AAT/NAP
Start	14252	End	20886
GI	5091513	Score	2301
Exons	14252..14398, 15527..15595, 15660..15767, 15842..16233, 17064..18408, 20801..20886		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22782	Strand	-
Start	14404	End	20886
Name	OJ990520_29.9922.C12.o3.gs	Method	GENSCAN
Start	14404	End	18512
GI	none	Score	.61
Exons	14404..14618, 14930..15060, 15365..15668, 15723..15861, 15947..16331, 16968..18118, 18120..18512		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22782	Strand	-
Start	14404	End	20886
Name	OJ990520_29.9922.C12.o4.gs	Method	GENSCAN
Start	19276	End	20744
GI	none	Score	.74
Exons	19276..19554, 19991..20039, 20202..20229, 20628..20744		

Seq. No.	10707	Seq. ID	OJ990520_29.9922.C12
Gene No.	22782	Strand	-
Start	14404	End	20886

Name	OJ990520_29.9922.C12.o3.gp	Method	AAT/GAP
Start	19585	End	19833
GI	3761181	Score	410
Exons	19585..19833		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	10708	Seq. ID	OJ990520_29.9922.C13
Gene No.	22783	Strand	+
Start	1	End	456
Name	OJ990520_29.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	456
GI	5091512	Score	633
Exons	1..456		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	10708	Seq. ID	OJ990520_29.9922.C13
Gene No.	22784	Strand	-
Start	62	End	470
Name	OJ990520_29.9922.C13.o1.gs	Method	GENSCAN
Start	62	End	470
GI	none	Score	.72
Exons	62..470		

Seq. No.	10709	Seq. ID	OJ990520_29.9922.C16
Gene No.	22785	Strand	+
Start	56	End	155
Name	OJ990520_29.9922.C16.o1.gs	Method	GENSCAN
Start	56	End	155
GI	none	Score	.93
Exons	56..155		

Seq. No.	10710	Seq. ID	OJ990520_29.9922.C17
Gene No.	22786	Strand	-
Start	1	End	741
Name	OJ990520_29.9922.C17.o1.np	Method	AAT/NAP
Start	1	End	741
GI	5091513	Score	969
Exons	1..741		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10710	Seq. ID	OJ990520_29.9922.C17
Gene No.	22786	Strand	-
Start	1	End	741
Name	OJ990520_29.9922.C17.o1.gs	Method	GENSCAN
Start	26	End	644
GI	none	Score	.85
Exons	26..199, 204..644		

Seq. No.	10711	Seq. ID	OJ990520_29.9922.C18
Gene No.	22787	Strand	-
Start	1	End	218
Name	OJ990520_29.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	218
GI	6728988	Score	238
Exons	1..218		

GI Descrip. (AC018363) putative aspartyl protease [Arabidopsis thaliana]

Seq. No.	10711	Seq. ID	OJ990520_29.9922.C18
Gene No.	22787	Strand	-
Start	1	End	218
Name	OJ990520_29.9922.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	192
GI	none	Score	170
Exons	1..192, 2..181		

Seq. No.	10711	Seq. ID	OJ990520_29.9922.C18
Gene No.	22787	Strand	-
Start	1	End	218
Name	OJ990520_29.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	189
GI	none	Score	121
Exons	1..189, 4..90, 5..184		

Seq. No.	10711	Seq. ID	OJ990520_29.9922.C18
Gene No.	22787	Strand	-
Start	1	End	218
Name	OJ990520_29.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	1	End	186
GI	none	Score	142
Exons	1..186, 5..178		

Seq. No.	10712	Seq. ID	OJ990520_29.9922.C20
Gene No.	22788	Strand	+
Start	126	End	500
Name	OJ990520_29.9922.C20.o1.gs	Method	GENSCAN
Start	126	End	500
GI	none	Score	.78
Exons	126..500		

Seq. No.	10712	Seq. ID	OJ990520_29.9922.C20
Gene No.	22789	Strand	-
Start	1	End	580
Name	OJ990520_29.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	580
GI	2832637	Score	62
Exons	1..223, 557..580		

GI Descrip. (AL021711) hypothetical protein [Arabidopsis thaliana]

Seq. No.	10712	Seq. ID	OJ990520_29.9922.C20
Gene No.	22789	Strand	-
Start	1	End	580
Name	OJ990520_29.9922.C20.o1.ts	Method	TBLASTX:Soybean
Start	86	End	394
GI	none	Score	178
Exons	86..394		

Seq. No.	10713	Seq. ID	OJ990520_29.9922.C21
Gene No.	22790	Strand	+
Start	1	End	582
Name	OJ990520_29.9922.C21.o1.gp	Method	AAT/GAP
Start	1	End	395
GI	4715698	Score	310

Exons	1..23, 229..395		
GI Descrip.	4585924/gb|AAD25584.1|AC007211_6 2.0e-18 (AC007211) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10713	Seq. ID	OJ990520_29.9922.C21
Gene No.	22790	Strand	+
Start	1	End	582
Name	OJ990520_29.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	582
GI	2459436	Score	130
Exons	1..39, 241..582		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	10713	Seq. ID	OJ990520_29.9922.C21
Gene No.	22790	Strand	+
Start	1	End	582
Name	OJ990520_29.9922.C21.o1.tc	Method	TBLASTX:Cress
Start	216	End	519
GI	none	Score	176
Exons	216..443, 274..444, 469..519		

Seq. No.	10713	Seq. ID	OJ990520_29.9922.C21
Gene No.	22790	Strand	+
Start	1	End	582
Name	OJ990520_29.9922.C21.o1.ts	Method	TBLASTX:Soybean
Start	241	End	555
GI	none	Score	181
Exons	241..450, 241..453, 463..555		

Seq. No.	10713	Seq. ID	OJ990520_29.9922.C21
Gene No.	22790	Strand	+
Start	1	End	582
Name	OJ990520_29.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	301	End	529
GI	none	Score	243
Exons	301..462, 308..463, 309..485, 315..464, 416..529, 421..528		

Seq. No.	10713	Seq. ID	OJ990520_29.9922.C21
Gene No.	22790	Strand	+
Start	1	End	582
Name	OJ990520_29.9922.C21.o1.gs	Method	GENSCAN
Start	355	End	525
GI	none	Score	.77
Exons	355..525		

Seq. No.	10714	Seq. ID	OJ990520_29.9922.C22
Gene No.	22791	Strand	-
Start	187	End	318
Name	OJ990520_29.9922.C22.o1.gs	Method	GENSCAN
Start	187	End	318
GI	none	Score	.59
Exons	187..318		

Seq. No.	10715	Seq. ID	OJ990520_29.9922.C23
Gene No.	22792	Strand	-
Start	1	End	567
Name	OJ990520_29.9922.C23.o1.np	Method	AAT/NAP

Start	1	End	567
GI	5091513	Score	722
Exons	1..567		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10715	Seq. ID	OJ990520_29.9922.C23
Gene No.	22792	Strand	-
Start	1	End	567
Name	OJ990520_29.9922.C23.o1.gs	Method	GENSCAN
Start	57	End	470
GI	none	Score	1
Exons	57..470		

Seq. No.	10716	Seq. ID	OJ990410_20.9922.C1
Gene No.	22793	Strand	+
Start	1	End	693
Name	OJ990410_20.9922.C1.o1.gp	Method	AAT/GAP
Start	1	End	693
GI	none	Score	1277
Exons	1..693		

Seq. No.	10716	Seq. ID	OJ990410_20.9922.C1
Gene No.	22794	Strand	+
Start	9086	End	9283
Name	OJ990410_20.9922.C1.o2.gp	Method	AAT/GAP
Start	9086	End	9283
GI	10431_1.R1084	Score	315
Exons	9086..9283		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	10716	Seq. ID	OJ990410_20.9922.C1
Gene No.	22795	Strand	-
Start	194	End	1512
Name	OJ990410_20.9922.C1.o1.np	Method	AAT/NAP
Start	194	End	1512
GI	1155068	Score	133
Exons	194..577, 1450..1512		
GI Descrip.	(X94976) cell wall-plasma membrane linker protein [Brassica napus]		

Seq. No.	10716	Seq. ID	OJ990410_20.9922.C1
Gene No.	22796	Strand	-
Start	3899	End	7950
Name	OJ990410_20.9922.C1.o2.gs	Method	GENSCAN
Start	3899	End	7950
GI	none	Score	.74
Exons	3899..4112, 5693..5840, 5845..6035, 7274..7364, 7911..7950		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22797	Strand	+
Start	5034	End	14675
Name	OJ990410_20.9922.C2.o2.gs	Method	GENSCAN
Start	5034	End	14325
GI	none	Score	.57
Exons	5034..5184, 6041..6652, 7000..7143, 7479..7570, 7670..7999, 8615..8659, 9115..9234, 9746..9853, 10125..10298, 10544..10681,		

11133..11240, 11576..11724, 12306..12459, 12633..12663,
12712..12793, 12881..13087, 13193..13376, 13464..13547,
13636..13835, 13966..14025, 14121..14325

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22797	Strand	+
Start	5034	End	14675
Name	OJ990410_20.9922.C2.o1.np	Method	AAT/NAP
Start	7847	End	14322
GI	4539327	Score	2729
Exons	7847..7999, 8615..8659, 9115..9234, 9313..9420, 9746..9853, 10125..10298, 10544..10681, 11133..11235, 11351..11463, 11576..11724, 12306..12459, 12633..12793, 12881..13076, 13110..13376, 13464..13547, 13636..13835, 13966..14025, 14121..14322		
GI Descrip.	(AL035679) putative proton pump [Arabidopsis thaliana]		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22797	Strand	+
Start	5034	End	14675
Name	OJ990410_20.9922.C2.o2.gp	Method	AAT/GAP
Start	12630	End	13218
GI	LIB3433-045-P1-K1-B10	Score	731
Exons	12630..12793, 12881..13087, 13193..13218		
GI Descrip.	'5823572/emb|CAB53754.1| 3.0e-21 (AL049730) putative protein [Arabidopsis thaliana]'		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22797	Strand	+
Start	5034	End	14675
Name	OJ990410_20.9922.C2.o3.gp	Method	AAT/GAP
Start	14127	End	14675
GI	5456485	Score	1047
Exons	14127..14675		
GI Descrip.	4567273/gb|AAD23686.1|AC006841_14 1.0e-18 (AC006841) putative vacuolar proton ATPase subunit [Arabidopsis thaliana]		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22798	Strand	-
Start	977	End	3189
Name	OJ990410_20.9922.C2.o1.gs	Method	GENSCAN
Start	977	End	3189
GI	none	Score	.55
Exons	977..1094, 1427..1569, 2493..3189		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22799	Strand	-
Start	3817	End	4644
Name	OJ990410_20.9922.C2.o1.gp	Method	AAT/GAP
Start	3817	End	4644
GI	none	Score	1589
Exons	3817..4644		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o2.tc	Method	TBLASTX:Cress

Start	2731	End	3027
GI	none	Score	253
Exons	2731..3027, 2753..3001		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	2731	End	3043
GI	none	Score	425
Exons	2731..3042, 2750..3043		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	2731	End	3046
GI	none	Score	318
Exons	2731..3027, 2750..3001, 3017..3046		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o4.tm	Method	TBLASTX:Maize
Start	6027	End	6326
GI	none	Score	44
Exons	6027..6149, 6138..6281, 6282..6326		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o4.tc	Method	TBLASTX:Cress
Start	9735	End	12725
GI	none	Score	209
Exons	9735..9836, 10124..10321, 10137..10298, 10145..10300, 10543..10635, 10546..10662, 10550..10684, 11121..11234, 11350..11472, 11361..11453, 11573..11725, 11581..11724, 12300..12452, 12301..12459, 12630..12725, 12630..12725		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	10203	End	11725
GI	none	Score	145
Exons	10203..10298, 10205..10321, 10536..10643, 10546..10662, 10550..10684, 11109..11243, 11120..11245, 11362..11472, 11364..11459, 11573..11725, 11578..11724		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o6.ts	Method	TBLASTX:Soybean
Start	12633	End	12935
GI	none	Score	216
Exons	12633..12791, 12634..12801, 12634..12777, 12636..12797, 12861..12935, 12875..12934		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	12649	End	14476
GI	none	Score	207
Exons	12649..12789, 12651..12791, 12861..13088, 12863..13090, 12884..13102, 13182..13376, 13193..13378, 13194..13379, 13459..13548, 13460..13540, 13630..13731, 13633..13710, 13634..13711, 13697..13831, 13700..13831, 13701..13835, 13702..13833, 13963..14025, 13970..14026, 14107..14325, 14122..14325, 14124..14336, 14399..14476		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	12726	End	13346
GI	none	Score	87
Exons	12726..12791, 12729..12797, 12860..13087, 12861..13088, 13191..13319, 13194..13346, 13196..13345		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o4.ts	Method	TBLASTX:Soybean
Start	13008	End	13541
GI	none	Score	93
Exons	13008..13091, 13017..13085, 13187..13360, 13191..13379, 13196..13417, 13497..13541		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o6.tc	Method	TBLASTX:Cress
Start	13460	End	14017
GI	none	Score	77
Exons	13460..13543, 13473..13547, 13497..13544, 13635..13679, 13636..13695, 13640..13681, 13690..13833, 13725..13835, 13759..13833, 13970..14017		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o5.ts	Method	TBLASTX:Soybean
Start	13636	End	14320
GI	none	Score	60
Exons	13636..13704, 13690..13833, 13725..13829, 13725..13835, 13759..13833, 13963..14028, 13970..14026, 14121..14318, 14122..14319, 14189..14320		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o5.tc	Method	TBLASTX:Cress
Start	14148	End	14313

GI	none	Score	221
Exons	14148..14306, 14149..14298, 14176..14313		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o2.np	Method	AAT/NAP
Start	14435	End	18253
GI	2789434	Score	1310
Exons	14435..14482, 15139..15376, 15413..15504, 15595..15762, 15848..16078, 16226..16300, 16399..16479, 16592..16690, 16838..16956, 17047..17167, 17321..17371, 17531..17632, 18149..18253		
GI Descrip.	(AB001389) CLB1 [Lycopersicon esculentum]		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o3.gs	Method	GENSCAN
Start	15124	End	22825
GI	none	Score	.7
Exons	15124..15762, 15848..16073, 16215..16300, 16399..16479, 16592..16690, 16838..16956, 17026..17167, 17321..17371, 17531..17632, 18334..18450, 19367..19464, 19492..19553, 22740..22825		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o3.tc	Method	TBLASTX:Cress
Start	15127	End	17647
GI	none	Score	178
Exons	15127..15219, 15592..15738, 15845..16075, 15867..16085, 16217..16309, 16397..16480, 16399..16500, 16399..16488, 16593..16712, 16622..16711, 16823..16954, 16835..16957, 16839..16958, 17021..17170, 17046..17168, 17071..17172, 17312..17374, 17523..17633, 17523..17621, 17525..17647		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	15145	End	17125
GI	none	Score	216
Exons	15145..15219, 15484..15507, 15580..15765, 15842..16075, 15846..16076, 16235..16309, 16254..16301, 16256..16306, 16397..16492, 16399..16518, 16399..16488, 16593..16712, 16622..16711, 16808..16957, 16823..16954, 16836..16958, 17039..17122, 17046..17123, 17078..17125		

Seq. No.	10717	Seq. ID	OJ990410_20.9922.C2
Gene No.	22800	Strand	-
Start	14435	End	22825
Name	OJ990410_20.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	15592	End	16465
GI	none	Score	182
Exons	15592..15738, 15845..16075, 15846..16076, 16220..16306,		

16220..16309, 16397..16465, 16399..16464

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22801	Strand	+
Start	1	End	1765
Name	OJ990410_20.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	1765
GI	2979551	Score	1151
Exons	1..1765		
GI Descrip.	(AC003680) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22802	Strand	+
Start	19450	End	25467
Name	OJ990410_20.9922.C3.o4.gs	Method	GENSCAN
Start	19450	End	25467
GI	none	Score	.52
Exons	19450..19550, 19798..19979, 20048..20194, 20711..20757, 21086..21397, 21667..21760, 22426..23088, 23255..23379, 23492..23626, 23697..23755, 23826..24523, 24950..25467		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22803	Strand	+
Start	31547	End	36844
Name	OJ990410_20.9922.C3.o6.np	Method	AAT/NAP
Start	31547	End	36844
GI	6721512	Score	78
Exons	31547..31590, 32372..32508, 32536..32664, 35678..35744, 36803..36844		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22804	Strand	-
Start	4876	End	10069
Name	OJ990410_20.9922.C3.o2.gs	Method	GENSCAN
Start	4876	End	10069
GI	none	Score	.76
Exons	4876..4971, 5585..5794, 5892..6095, 6190..6306, 6501..6619, 6810..7150, 7757..7832, 7855..7918, 8071..8429, 8532..8635, 8772..9077, 9284..9451, 9507..9804, 10027..10069		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22804	Strand	-
Start	4876	End	10069
Name	OJ990410_20.9922.C3.o2.np	Method	AAT/NAP
Start	4900	End	8241
GI	5823572	Score	698
Exons	4900..4971, 5585..5794, 5853..6104, 6190..6318, 6501..6619, 6810..7150, 7301..7438, 7743..7918, 8071..8241		
GI Descrip.	(AL049730) putative protein [Arabidopsis thaliana]		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22804	Strand	-
Start	4876	End	10069
Name	OJ990410_20.9922.C3.o1.gp	Method	AAT/GAP
Start	6857	End	7355
GI	428488	Score	662

Exons	6857..7150, 7301..7355		
GI Descrip.	5823572/emb|CAB53754.1| 3.0e-21 (AL049730) putative protein [Arabidopsis thaliana]		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o3.tc	Method	TBLASTX:Cress
Start	32	End	397
GI	none	Score	125
Exons	32..178, 52..171, 173..214, 175..243, 293..397, 296..397		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o9.tm	Method	TBLASTX:Maize
Start	47	End	595
GI	none	Score	91
Exons	47..196, 61..138, 169..216, 317..394, 401..595		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	1030	End	28211
GI	none	Score	69
Exons	1030..1122, 1032..1142, 1070..1177, 1072..1176, 1237..1725, 1238..1726, 28071..28211		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	1300	End	1769
GI	none	Score	36
Exons	1300..1323, 1337..1420, 1342..1437, 1415..1729, 1417..1557, 1445..1702, 1582..1767, 1584..1769		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	1495	End	1746
GI	none	Score	210
Exons	1495..1746, 1496..1729		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o5.tm	Method	TBLASTX:Maize
Start	6895	End	8230
GI	none	Score	53
Exons	6895..7083, 7007..7063, 7063..7149, 7064..7147, 7294..7443, 7301..7444, 7727..7846, 7732..7782, 7754..7810, 7814..7921, 7824..7919, 8069..8230, 8071..8229		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3

Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o3.gs	Method	GENSCAN
Start	13097	End	15124
GI	none	Score	.59
Exons	13097..14209, 14624..14759, 15051..15124		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o3.np	Method	AAT/NAP
Start	13109	End	14098
GI	2979555	Score	523
Exons	13109..13939, 13988..14098		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	13406	End	13846
GI	none	Score	40
Exons	13406..13552, 13427..13549, 13535..13621, 13587..13619, 13628..13666, 13649..13846, 13728..13844		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o6.tm	Method	TBLASTX:Maize
Start	13652	End	13844
GI	none	Score	81
Exons	13652..13843, 13728..13844		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o9.tw	Method	TBLASTX:Wheat
Start	13661	End	21268
GI	none	Score	89
Exons	13661..13873, 13728..13874, 21194..21268		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o2.tc	Method	TBLASTX:Cress
Start	13688	End	14074
GI	none	Score	77
Exons	13688..13846, 13880..13936, 14018..14074		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o7.np	Method	AAT/NAP
Start	14558	End	40543
GI	5734709	Score	119
Exons	14558..14587, 20890..20943, 24771..24870, 28052..28272, 29213..29408, 30925..31060, 34933..35040, 40233..40543		

GI Descrip. (AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o5.gs	Method	GENSCAN
Start	26078	End	29011
GI	none	Score	.97
Exons	26078..29011		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o4.np	Method	AAT/NAP
Start	26081	End	29200
GI	5902445	Score	3086
Exons	26081..27318, 27358..29200		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o3.tw	Method	TBLASTX:Wheat
Start	26090	End	26698
GI	none	Score	67
Exons	26090..26221, 26091..26216, 26246..26698, 26442..26549, 26598..26684		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o7.tm	Method	TBLASTX:Maize
Start	26126	End	26374
GI	none	Score	153
Exons	26126..26209, 26210..26374		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o4.tw	Method	TBLASTX:Wheat
Start	26822	End	27205
GI	none	Score	216
Exons	26822..27205, 26823..27197		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	26900	End	27205
GI	none	Score	177
Exons	26900..27205, 26901..27188		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o6.tw	Method	TBLASTX:Wheat

Start	27602	End	27991
GI	none	Score	80
Exons	27602..27736, 27605..27730, 27612..27743, 27737..27838, 27887..27991		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o8.tw	Method	TBLASTX:Wheat
Start	28001	End	28255
GI	none	Score	61
Exons	28001..28183, 28061..28180, 28187..28255		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	28205	End	28630
GI	none	Score	89
Exons	28205..28630, 28446..28571		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	28260	End	28684
GI	none	Score	229
Exons	28260..28574, 28262..28684, 28295..28684		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o4.tm	Method	TBLASTX:Maize
Start	28358	End	28741
GI	none	Score	112
Exons	28358..28741, 28359..28574, 28525..28707, 28604..28714		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	28769	End	29125
GI	none	Score	224
Exons	28769..29125, 28770..29063, 28823..29071		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	28800	End	29255
GI	none	Score	336
Exons	28800..29255, 28811..29254		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o6.gs	Method	GENSCAN

Start	29264	End	32461
GI	none	Score	.73
Exons	29264..29862, 30004..30146, 30205..31022, 31039..31152, 31160..31826, 32016..32461		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o5.np	Method	AAT/NAP
Start	29267	End	31118
GI	5902444	Score	1024
Exons	29267..31118		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o5.tw	Method	TBLASTX:Wheat
Start	29447	End	29894
GI	none	Score	38
Exons	29447..29683, 29457..29522, 29462..29677, 29565..29681, 29720..29893, 29721..29894		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o7.tw	Method	TBLASTX:Wheat
Start	30534	End	30926
GI	none	Score	86
Exons	30534..30809, 30535..30762, 30768..30881, 30820..30870, 30882..30926		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o8.tm	Method	TBLASTX:Maize
Start	30648	End	30887
GI	none	Score	198
Exons	30648..30887		

Seq. No.	10718	Seq. ID	OJ990410_20.9922.C3
Gene No.	22805	Strand	-
Start	13097	End	40543
Name	OJ990410_20.9922.C3.o7.gs	Method	GENSCAN
Start	39634	End	40383
GI	none	Score	.71
Exons	39634..39718, 40179..40383		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22806	Strand	+
Start	1513	End	7619
Name	OJ990410_20.9922.C4.o2.gs	Method	GENSCAN
Start	1513	End	7619
GI	none	Score	.77
Exons	1513..1517, 1632..1750, 1946..2227, 2700..2752, 2830..2989, 3253..3729, 3928..4151, 4957..5067, 5150..5290, 5949..6011, 6067..6147, 6230..6302, 6406..6461, 6554..6648, 6743..6777,		

7543..7619

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22807	Strand	+
Start	13176	End	13499
Name	OJ990410_20.9922.C4.o4.gs	Method	GENSCAN
Start	13176	End	13499
GI	none	Score	.94
Exons	13176..13499		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22808	Strand	+
Start	14676	End	17076
Name	OJ990410_20.9922.C4.o5.gs	Method	GENSCAN
Start	14676	End	17076
GI	none	Score	.91
Exons	14676..14838, 16970..17076		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22809	Strand	-
Start	248	End	824
Name	OJ990410_20.9922.C4.o1.gs	Method	GENSCAN
Start	248	End	824
GI	none	Score	.86
Exons	248..691, 753..824		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22810	Strand	-
Start	7958	End	13362
Name	OJ990410_20.9922.C4.o3.gs	Method	GENSCAN
Start	7958	End	12466
GI	none	Score	.81
Exons	7958..8203, 8526..8669, 8755..8882, 9167..9308, 9395..9490, 9666..9806, 9951..10125, 10537..10703, 10901..10994, 11984..12075, 12185..12279, 12361..12466		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22810	Strand	-
Start	7958	End	13362
Name	OJ990410_20.9922.C4.o1.np	Method	AAT/NAP
Start	8499	End	12466
GI	4006914	Score	1351
Exons	8499..8669, 8755..8882, 9188..9308, 9395..9490, 9666..9806, 9951..10125, 10537..10669, 10755..10827, 10901..10994, 11984..12075, 12185..12279, 12361..12466		
GI Descrip.	(Z99708) serine C-palmitoyltransferase like protein [Arabidopsis thaliana]		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22810	Strand	-
Start	7958	End	13362
Name	OJ990410_20.9922.C4.o1.gp	Method	AAT/GAP
Start	8593	End	8788
GI	701925	Score	143
Exons	8593..8669, 8755..8788		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4

Gene No.	22810	Strand	-
Start	7958	End	13362
Name	OJ990410_20.9922.C4.o2.gp	Method	AAT/GAP
Start	9935	End	10983
GI	43229_1.R1084	Score	816
Exons	9935..10125, 10536..10669, 10755..10827, 10901..10983		
GI Descrip.	'4006914/emb|CAB16844.1| 1.0e-61 (Z99708) serine C-palmitoyltransferase like protein [Arabidopsis thaliana]'		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22810	Strand	-
Start	7958	End	13362
Name	OJ990410_20.9922.C4.o3.gp	Method	AAT/GAP
Start	12209	End	13362
GI	700407	Score	714
Exons	12209..12279, 12361..12523, 13218..13362		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22811	Strand	-
Start	15321	End	15408
Name	OJ990410_20.9922.C4.o2.np	Method	AAT/NAP
Start	15321	End	15408
GI	6721547	Score	76
Exons	15321..15408		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22812	Strand	-
Start	20910	End	21198
Name	OJ990410_20.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	1203	End	9415
GI	none	Score	69
Exons	1203..1253, 1205..1252, 1220..1312, 1252..1287, 1254..1322, 8478..8672, 8490..8666, 8491..8670, 8492..8671, 8752..8892, 8753..8896, 8754..8897, 8755..8907, 9151..9321, 9152..9322, 9158..9322, 9168..9326, 9395..9415		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22812	Strand	-
Start	20910	End	21198
Name	OJ990410_20.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	8494	End	8675
GI	none	Score	131
Exons	8494..8670, 8508..8675		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22812	Strand	-
Start	20910	End	21198
Name	OJ990410_20.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	8521	End	8880
GI	none	Score	94
Exons	8521..8664, 8529..8672, 8755..8880, 8759..8839		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22812	Strand	-
Start	20910	End	21198
Name	OJ990410_20.9922.C4.o1.ts	Method	TBLASTX:Soybean

Start	9234	End	10997
GI	none	Score	72
Exons	9234..9326, 9247..9303, 9395..9496, 9420..9497, 9636..9809, 9637..9807, 9648..9842, 9664..9813, 9951..10127, 9952..10125, 10533..10670, 10536..10670, 10537..10671, 10747..10803, 10747..10836, 10752..10805, 10757..10828, 10880..10996, 10908..10997, 10926..10997		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22812	Strand	-
Start	20910	End	21198
Name	OJ990410_20.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	9988	End	10836
GI	none	Score	106
Exons	9988..10125, 9990..10127, 10017..10202, 10533..10670, 10536..10670, 10537..10671, 10747..10836, 10752..10832, 10757..10834		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22812	Strand	-
Start	20910	End	21198
Name	OJ990410_20.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	10626	End	10997
GI	none	Score	40
Exons	10626..10670, 10627..10671, 10683..10748, 10704..10853, 10742..10813, 10868..10996, 10899..10997, 10902..10997		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22812	Strand	-
Start	20910	End	21198
Name	OJ990410_20.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	12019	End	12476
GI	none	Score	65
Exons	12019..12078, 12022..12078, 12185..12289, 12339..12476, 12359..12475		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22812	Strand	-
Start	20910	End	21198
Name	OJ990410_20.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	12203	End	12477
GI	none	Score	67
Exons	12203..12289, 12211..12291, 12212..12292, 12353..12475, 12355..12474, 12360..12476, 12361..12477		

Seq. No.	10719	Seq. ID	OJ990410_20.9922.C4
Gene No.	22812	Strand	-
Start	20910	End	21198
Name	OJ990410_20.9922.C4.o7.gs	Method	GENSCAN
Start	20910	End	21198
GI	none	Score	.5
Exons	20910..20985, 21131..21198		

Seq. No.	10720	Seq. ID	OJ990410_20.9922.C5
Gene No.	22813	Strand	-
Start	1	End	589
Name	OJ990410_20.9922.C5.o1.np	Method	AAT/NAP

Start	1	End	589
GI	2498930	Score	983
Exons	1..589		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	10720	Seq. ID	OJ990410_20.9922.C5
Gene No.	22813	Strand	-
Start	1	End	589
Name	OJ990410_20.9922.C5.o1.gs	Method	GENSCAN
Start	14	End	532
GI	none	Score	.52
Exons	14..177, 225..532		

Seq. No.	10721	Seq. ID	OJ990410_20.9922.C6
Gene No.	22814	Strand	+
Start	1	End	693
Name	OJ990410_20.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	693
GI	5902445	Score	641
Exons	1..586, 664..693		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10721	Seq. ID	OJ990410_20.9922.C6
Gene No.	22814	Strand	+
Start	1	End	693
Name	OJ990410_20.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	1	End	157
GI	none	Score	173
Exons	1..156, 2..157		

Seq. No.	10721	Seq. ID	OJ990410_20.9922.C6
Gene No.	22814	Strand	+
Start	1	End	693
Name	OJ990410_20.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	47	End	466
GI	none	Score	469
Exons	47..466, 49..207, 373..465		

Seq. No.	10721	Seq. ID	OJ990410_20.9922.C6
Gene No.	22814	Strand	+
Start	1	End	693
Name	OJ990410_20.9922.C6.o1.gs	Method	GENSCAN
Start	110	End	499
GI	none	Score	.91
Exons	110..499		

Seq. No.	10721	Seq. ID	OJ990410_20.9922.C6
Gene No.	22814	Strand	+
Start	1	End	693
Name	OJ990410_20.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	161	End	556
GI	none	Score	307
Exons	161..556, 376..510		

Seq. No.	10721	Seq. ID	OJ990410_20.9922.C6
Gene No.	22814	Strand	+

Start	1	End	693
Name	OJ990410_20.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	239	End	475
GI	none	Score	224
Exons	239..475, 376..474		

Seq. No.	10722	Seq. ID	OJ990410_23.9923.C2
Gene No.	22815	Strand	-
Start	155	End	1550
Name	OJ990410_23.9923.C2.o1.np	Method	AAT/NAP
Start	155	End	1550
GI	5903050	Score	71
Exons	155..303, 1524..1550		
GI Descrip.	(AC008016) ESTs gb|T44179, gb|T20783 and gb|AA395386 come from this gene. [Arabidopsis thaliana]		

Seq. No.	10723	Seq. ID	OJ990410_23.9923.C3
Gene No.	22816	Strand	+
Start	569	End	1579
Name	OJ990410_23.9923.C3.o1.gs	Method	GENSCAN
Start	569	End	1579
GI	none	Score	.95
Exons	569..640, 710..823, 901..1057, 1113..1579		

Seq. No.	10723	Seq. ID	OJ990410_23.9923.C3
Gene No.	22817	Strand	+
Start	4107	End	4250
Name	OJ990410_23.9923.C3.o1.gp	Method	AAT/GAP
Start	4107	End	4250
GI	21474_1.R1084	Score	247
Exons	4107..4250		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10723	Seq. ID	OJ990410_23.9923.C3
Gene No.	22818	Strand	-
Start	1880	End	4094
Name	OJ990410_23.9923.C3.o2.gs	Method	GENSCAN
Start	1880	End	4094
GI	none	Score	.74
Exons	1880..2187, 2233..2372, 2397..2716, 3586..3632, 4043..4094		

Seq. No.	10723	Seq. ID	OJ990410_23.9923.C3
Gene No.	22819	Strand	-
Start	4641	End	4826
Name	OJ990410_23.9923.C3.o3.gs	Method	GENSCAN
Start	4641	End	4826
GI	none	Score	.93
Exons	4641..4826		

Seq. No.	10724	Seq. ID	OJ990410_23.9923.C4
Gene No.	22820	Strand	+
Start	309	End	451
Name	OJ990410_23.9923.C4.o1.gp	Method	AAT/GAP
Start	309	End	451
GI	21474_1.R1084	Score	241
Exons	309..451		

GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	10724	Seq. ID	OJ990410_23.9923.C4
Gene No.	22821	Strand	-
Start	731	End	4437
Name	OJ990410_23.9923.C4.o1.gs	Method	GENSCAN
Start	731	End	4349
GI	none	Score	.67
Exons	731..916, 996..1094, 1189..1261, 1346..1456, 1553..1726, 1836..2521, 2523..2665, 2785..2926, 3001..4349		

Seq. No.	10724	Seq. ID	OJ990410_23.9923.C4
Gene No.	22821	Strand	-
Start	731	End	4437
Name	OJ990410_23.9923.C4.o1.np	Method	AAT/NAP
Start	749	End	4437
GI	4680204	Score	1013
Exons	749..886, 1237..1456, 1553..1726, 1836..2926, 3001..4437		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10724	Seq. ID	OJ990410_23.9923.C4
Gene No.	22821	Strand	-
Start	731	End	4437
Name	OJ990410_23.9923.C4.o1.tw	Method	TBLASTX:Wheat
Start	3391	End	3794
GI	none	Score	84
Exons	3391..3561, 3524..3691, 3556..3792, 3643..3792, 3654..3794, 3684..3794		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22822	Strand	+
Start	12410	End	15337
Name	OJ990410_23.9923.C5.o3.np	Method	AAT/NAP
Start	12410	End	15325
GI	6691716	Score	2485
Exons	12410..13298, 13495..13672, 13749..13849, 13928..14107, 14185..14372, 14447..14549, 14699..14812, 14886..15325		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22822	Strand	+
Start	12410	End	15337
Name	OJ990410_23.9923.C5.o4.gs	Method	GENSCAN
Start	12410	End	15337
GI	none	Score	.92
Exons	12410..13294, 13381..13472, 13508..13672, 13749..14107, 14185..14372, 14993..15337		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22823	Strand	-
Start	313	End	5899
Name	OJ990410_23.9923.C5.o1.gp	Method	AAT/GAP
Start	313	End	4406
GI	342_1.R1084	Score	6739

Exons	313..828, 938..1042, 1161..4406		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22823	Strand	-
Start	313	End	5899
Name	OJ990410_23.9923.C5.o2.gp	Method	AAT/GAP
Start	313	End	4410
GI	342_1.R1084	Score	6743
Exons	313..828, 938..1042, 1161..4410		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22823	Strand	-
Start	313	End	5899
Name	OJ990410_23.9923.C5.o5.gp	Method	AAT/GAP
Start	480	End	4571
GI	342_1.R1084	Score	6645
Exons	480..828, 938..1042, 1161..4571		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22823	Strand	-
Start	313	End	5899
Name	OJ990410_23.9923.C5.o6.gp	Method	AAT/GAP
Start	482	End	4571
GI	342_1.R1084	Score	6641
Exons	482..828, 938..1042, 1161..4571		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22823	Strand	-
Start	313	End	5899
Name	OJ990410_23.9923.C5.o4.gp	Method	AAT/GAP
Start	485	End	4571
GI	342_1.R1084	Score	6635
Exons	485..828, 938..1042, 1161..4571		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22823	Strand	-
Start	313	End	5899
Name	OJ990410_23.9923.C5.o3.gp	Method	AAT/GAP
Start	491	End	4571
GI	342_1.R1084	Score	6623
Exons	491..828, 938..1042, 1161..4571		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22823	Strand	-
Start	313	End	5899

Name	OJ990410_23.9923.C5.o1.np	Method	AAT/NAP
Start	1266	End	5899
GI	4680203	Score	3291
Exons	1266..2243, 2520..2750, 2904..4575, 5810..5899		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22823	Strand	-
Start	313	End	5899
Name	OJ990410_23.9923.C5.o7.gp	Method	AAT/GAP
Start	3499	End	5025
GI	2310235	Score	302
Exons	3499..3559, 4436..4575, 4988..5025		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22824	Strand	-
Start	6262	End	7161
Name	OJ990410_23.9923.C5.o2.gs	Method	GENSCAN
Start	6262	End	6831
GI	none	Score	1
Exons	6262..6831		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22824	Strand	-
Start	6262	End	7161
Name	OJ990410_23.9923.C5.o2.np	Method	AAT/NAP
Start	6265	End	7161
GI	2462834	Score	168
Exons	6265..6597, 6639..6802, 7095..7161		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22825	Strand	-
Start	10725	End	11806
Name	OJ990410_23.9923.C5.o3.gs	Method	GENSCAN
Start	10725	End	11806
GI	none	Score	.89
Exons	10725..10953, 11787..11806		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o1.tw	Method	TBLASTX:Wheat
Start	1320	End	2637
GI	none	Score	122
Exons	1320..1412, 1401..1481, 1494..1607, 1495..1608, 1582..1677, 1614..1673, 1680..1724, 1685..1720, 1719..2636, 1734..2051, 1735..2637		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o1.tc	Method	TBLASTX:Cress
Start	1901	End	2353
GI	none	Score	176

Exons	1901..2152, 1902..2339, 1902..2339, 1906..2349, 2029..2349, 2171..2353		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o4.tm	Method	TBLASTX:Maize
Start	2280	End	2594
GI	none	Score	136
Exons	2280..2594, 2308..2583		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o7.tw	Method	TBLASTX:Wheat
Start	2638	End	3048
GI	none	Score	81
Exons	2638..2724, 2640..2723, 2756..2968, 2757..2975, 2797..2979, 2985..3047, 2998..3048		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o4.ts	Method	TBLASTX:Soybean
Start	3081	End	3320
GI	none	Score	216
Exons	3081..3320		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o3.tm	Method	TBLASTX:Maize
Start	3153	End	3609
GI	none	Score	103
Exons	3153..3317, 3355..3609, 3355..3597		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o2.tw	Method	TBLASTX:Wheat
Start	3187	End	3654
GI	none	Score	102
Exons	3187..3345, 3187..3312, 3192..3317, 3316..3414, 3320..3391, 3394..3492, 3395..3487, 3496..3600, 3500..3589, 3601..3654, 3602..3646		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o2.tc	Method	TBLASTX:Cress
Start	3442	End	3790
GI	none	Score	88
Exons	3442..3783, 3461..3598, 3638..3790		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562

Name	OJ990410_23.9923.C5.o1.ts	Method	TBLASTX:Soybean
Start	3523	End	3952
GI	none	Score	121
Exons	3523..3819, 3541..3765, 3814..3876, 3869..3952, 3877..3951		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o10.tw	Method	TBLASTX:Wheat
Start	3881	End	4224
GI	none	Score	187
Exons	3881..4123, 3883..4134, 3884..4126, 4093..4224		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o6.tm	Method	TBLASTX:Maize
Start	6325	End	22478
GI	none	Score	114
Exons	6325..6609, 6341..6568, 6667..6735, 6668..6733, 10788..10940, 10804..10926, 22278..22361, 22282..22332, 22404..22478, 22405..22470		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o3.tc	Method	TBLASTX:Cress
Start	6346	End	22476
GI	none	Score	69
Exons	6346..6600, 6347..6463, 6518..6598, 6664..6735, 6665..6736, 10809..10952, 10810..10926, 22156..22185, 22281..22364, 22282..22362, 22401..22475, 22402..22476		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o13.tw	Method	TBLASTX:Wheat
Start	12530	End	12820
GI	none	Score	218
Exons	12530..12820		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o5.gs	Method	GENSCAN
Start	15667	End	22562
GI	none	Score	.67
Exons	15667..16556, 16594..18672, 18915..20500, 20527..21140, 21181..21310, 21373..21716, 22194..22562		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o5.tw	Method	TBLASTX:Wheat
Start	15679	End	16293
GI	none	Score	89
Exons	15679..15810, 15802..16293, 16004..16132, 16184..16273		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o4.np	Method	AAT/NAP
Start	15703	End	21764
GI	5922631	Score	6600
Exons	15703..18231, 18837..19763, 19890..20040, 20083..20654, 20700..20878, 21138..21382, 21640..21764		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o7.tm	Method	TBLASTX:Maize
Start	15718	End	15981
GI	none	Score	99
Exons	15718..15819, 15719..15820, 15799..15981		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o9.tw	Method	TBLASTX:Wheat
Start	16294	End	16663
GI	none	Score	50
Exons	16294..16356, 16295..16564, 16297..16611, 16408..16587, 16586..16663		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o5.tm	Method	TBLASTX:Maize
Start	16438	End	16802
GI	none	Score	81
Exons	16438..16485, 16477..16617, 16517..16741, 16583..16801, 16584..16802		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o14.tw	Method	TBLASTX:Wheat
Start	16760	End	17098
GI	none	Score	60
Exons	16760..16897, 16779..16913, 16964..17098, 17004..17096		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o8.tw	Method	TBLASTX:Wheat
Start	17114	End	17536
GI	none	Score	216

Exons	17114..17536, 17190..17531		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o3.ts	Method	TBLASTX:Soybean
Start	17157	End	17548
GI	none	Score	154
Exons	17157..17537, 17159..17548		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o6.tw	Method	TBLASTX:Wheat
Start	17573	End	18001
GI	none	Score	402
Exons	17573..18001		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	17672	End	18104
GI	none	Score	161
Exons	17672..17827, 17852..18103, 17853..18104		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o2.ts	Method	TBLASTX:Soybean
Start	17771	End	18172
GI	none	Score	37
Exons	17771..18172, 17805..17975, 18012..18155		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o4.tw	Method	TBLASTX:Wheat
Start	18047	End	18466
GI	none	Score	239
Exons	18047..18466, 18048..18464		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o2.tm	Method	TBLASTX:Maize
Start	18335	End	18662
GI	none	Score	188
Exons	18335..18655, 18345..18662		
Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o12.tw	Method	TBLASTX:Wheat
Start	18466	End	18670
GI	none	Score	116
Exons	18466..18666, 18467..18658, 18467..18670, 18468..18662		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o3.tw	Method	TBLASTX:Wheat
Start	18700	End	19497
GI	none	Score	110
Exons	18700..18993, 18704..18865, 19040..19276, 19042..19272, 19321..19497		

Seq. No.	10725	Seq. ID	OJ990410_23.9923.C5
Gene No.	22826	Strand	-
Start	15667	End	22562
Name	OJ990410_23.9923.C5.o11.tw	Method	TBLASTX:Wheat
Start	20077	End	20479
GI	none	Score	109
Exons	20077..20478, 20210..20479		

Seq. No.	10726	Seq. ID	OJ990410_23.9923.C6
Gene No.	22827	Strand	+
Start	4002	End	7409
Name	OJ990410_23.9923.C6.o1.np	Method	AAT/NAP
Start	4002	End	7409
GI	133446	Score	43
Exons	4002..4052, 5680..5835, 7375..7409		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66986|pir||RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	10726	Seq. ID	OJ990410_23.9923.C6
Gene No.	22828	Strand	-
Start	4648	End	4729
Name	OJ990410_23.9923.C6.o1.gp	Method	AAT/GAP
Start	4648	End	4729
GI	3760640	Score	101
Exons	4648..4729		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	10727	Seq. ID	OJ990410_23.9923.C7
Gene No.	22829	Strand	+
Start	6143	End	6461
Name	OJ990410_23.9923.C7.o4.np	Method	AAT/NAP
Start	6143	End	6461
GI	103076	Score	84
Exons	6143..6461		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		

Seq. No.	10727	Seq. ID	OJ990410_23.9923.C7
Gene No.	22830	Strand	-
Start	1	End	7832
Name	OJ990410_23.9923.C7.o1.np	Method	AAT/NAP
Start	1	End	2306
GI	4680184	Score	512
Exons	1..40, 887..1653, 1829..2215, 2252..2306		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	10727	Seq. ID	OJ990410_23.9923.C7
Gene No.	22830	Strand	-
Start	1	End	7832
Name	OJ990410_23.9923.C7.o1.gs	Method	GENSCAN
Start	1343	End	6067
GI	none	Score	.48
Exons	1343..1840, 1952..2202, 3542..3699, 4168..4353, 4649..4911, 5507..6067		

Seq. No.	10727	Seq. ID	OJ990410_23.9923.C7
Gene No.	22830	Strand	-
Start	1	End	7832
Name	OJ990410_23.9923.C7.o2.np	Method	AAT/NAP
Start	1891	End	6329
GI	4680186	Score	295
Exons	1891..1932, 3519..3697, 4200..4367, 6295..6329		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10727	Seq. ID	OJ990410_23.9923.C7
Gene No.	22830	Strand	-
Start	1	End	7832
Name	OJ990410_23.9923.C7.o3.np	Method	AAT/NAP
Start	5492	End	6553
GI	6227011	Score	212
Exons	5492..5824, 5855..6024, 6500..6553		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	10727	Seq. ID	OJ990410_23.9923.C7
Gene No.	22830	Strand	-
Start	1	End	7832
Name	OJ990410_23.9923.C7.o2.gs	Method	GENSCAN
Start	6305	End	7832
GI	none	Score	.65
Exons	6305..6362, 7744..7832		

Seq. No.	10728	Seq. ID	OJ990410_23.9923.C9
Gene No.	22831	Strand	+
Start	19	End	651
Name	OJ990410_23.9923.C9.o1.gs	Method	GENSCAN
Start	19	End	651
GI	none	Score	.48
Exons	19..651		

Seq. No.	10729	Seq. ID	OJ990410_23.9923.C10
Gene No.	22832	Strand	+
Start	1	End	1458
Name	OJ990410_23.9923.C10.o1.np	Method	AAT/NAP
Start	1	End	1458
GI	4680183	Score	190
Exons	1..57, 672..761, 1367..1458		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	10729	Seq. ID	OJ990410_23.9923.C10
Gene No.	22833	Strand	+
Start	2775	End	3404

Name	OJ990410_23.9923.C10.o2.np	Method	AAT/NAP
Start	2775	End	3404
GI	6721559	Score	634
Exons	2775..3236, 3271..3404		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	10729	Seq. ID	OJ990410_23.9923.C10
Gene No.	22834	Strand	-
Start	2357	End	3247
Name	OJ990410_23.9923.C10.o1.gs	Method	GENSCAN
Start	2357	End	3247
GI	none	Score	.91
Exons	2357..2508, 2563..2628, 2721..2894, 3167..3247		

Seq. No.	10730	Seq. ID	OJ990410_23.9923.C11
Gene No.	22835	Strand	+
Start	321	End	685
Name	OJ990410_23.9923.C11.o1.gs	Method	GENSCAN
Start	321	End	685
GI	none	Score	.49
Exons	321..439, 628..685		

Seq. No.	10730	Seq. ID	OJ990410_23.9923.C11
Gene No.	22836	Strand	-
Start	1	End	1171
Name	OJ990410_23.9923.C11.o1.np	Method	AAT/NAP
Start	1	End	1171
GI	6705984	Score	1913
Exons	1..1171		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	10730	Seq. ID	OJ990410_23.9923.C11
Gene No.	22836	Strand	-
Start	1	End	1171
Name	OJ990410_23.9923.C11.o3.tw	Method	TBLASTX:Wheat
Start	1	End	248
GI	none	Score	277
Exons	1..246, 3..248, 3..245		

Seq. No.	10730	Seq. ID	OJ990410_23.9923.C11
Gene No.	22836	Strand	-
Start	1	End	1171
Name	OJ990410_23.9923.C11.o3.tm	Method	TBLASTX:Maize
Start	87	End	374
GI	none	Score	188
Exons	87..374		

Seq. No.	10730	Seq. ID	OJ990410_23.9923.C11
Gene No.	22836	Strand	-
Start	1	End	1171
Name	OJ990410_23.9923.C11.o2.tw	Method	TBLASTX:Wheat
Start	279	End	638
GI	none	Score	324
Exons	279..638, 289..627, 293..634		

Seq. No.	10730	Seq. ID	OJ990410_23.9923.C11
Gene No.	22836	Strand	-
Start	1	End	1171
Name	OJ990410_23.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	383	End	732
GI	none	Score	290
Exons	383..721, 387..725, 387..731, 394..732		

Seq. No.	10730	Seq. ID	OJ990410_23.9923.C11
Gene No.	22836	Strand	-
Start	1	End	1171
Name	OJ990410_23.9923.C11.o1.tc	Method	TBLASTX:Cress
Start	450	End	819
GI	none	Score	160
Exons	450..743, 450..812, 451..819		

Seq. No.	10730	Seq. ID	OJ990410_23.9923.C11
Gene No.	22836	Strand	-
Start	1	End	1171
Name	OJ990410_23.9923.C11.o1.tw	Method	TBLASTX:Wheat
Start	764	End	1169
GI	none	Score	390
Exons	764..1009, 765..1145, 765..1169, 766..1164		

Seq. No.	10730	Seq. ID	OJ990410_23.9923.C11
Gene No.	22836	Strand	-
Start	1	End	1171
Name	OJ990410_23.9923.C11.o2.tm	Method	TBLASTX:Maize
Start	822	End	986
GI	none	Score	99
Exons	822..980, 822..986, 823..984		

Seq. No.	10730	Seq. ID	OJ990410_23.9923.C11
Gene No.	22836	Strand	-
Start	1	End	1171
Name	OJ990410_23.9923.C11.o1.ts	Method	TBLASTX:Soybean
Start	912	End	1170
GI	none	Score	59
Exons	912..998, 913..996, 981..1169, 994..1170, 1002..1169		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22837	Strand	+
Start	7765	End	11290
Name	OJ990410_23.9923.C12.o4.gs	Method	GENSCAN
Start	7765	End	11290
GI	none	Score	.41
Exons	7765..7874, 8128..9042, 9239..9406, 9493..10817, 10956..11290		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22837	Strand	+
Start	7765	End	11290
Name	OJ990410_23.9923.C12.o2.np	Method	AAT/NAP
Start	8147	End	11287
GI	6907089	Score	3979
Exons	8147..9406, 9493..11287		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22838	Strand	-
Start	1	End	3821
Name	OJ990410_23.9923.C12.o1.np	Method	AAT/NAP
Start	1	End	3163
GI	6705984	Score	4048
Exons	1..2681, 3058..3163		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22838	Strand	-
Start	1	End	3821
Name	OJ990410_23.9923.C12.o1.gs	Method	GENSCAN
Start	478	End	1239
GI	none	Score	.54
Exons	478..661, 1162..1239		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22838	Strand	-
Start	1	End	3821
Name	OJ990410_23.9923.C12.o2.gs	Method	GENSCAN
Start	1675	End	3821
GI	none	Score	.49
Exons	1675..1785, 2427..2679, 3528..3566, 3757..3821		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22838	Strand	-
Start	1	End	3821
Name	OJ990410_23.9923.C12.o1.gp	Method	AAT/GAP
Start	2983	End	3095
GI	uC-osflcyp088b12b1	Score	137
Exons	2983..3095		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22839	Strand	-
Start	4498	End	7159
Name	OJ990410_23.9923.C12.o3.gs	Method	GENSCAN
Start	4498	End	7159
GI	none	Score	.63
Exons	4498..4674, 4857..5086, 5220..5588, 5777..5904, 6474..6511, 6539..6709, 7085..7159		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o2.tm	Method	TBLASTX:Maize
Start	56	End	523
GI	none	Score	112
Exons	56..523, 99..311, 251..433		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o5.tw	Method	TBLASTX:Wheat
Start	110	End	592

GI	none	Score	132
Exons	110..592, 114..323		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o5.tm	Method	TBLASTX:Maize
Start	548	End	794
GI	none	Score	145
Exons	548..679, 549..680, 702..794		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o2.tw	Method	TBLASTX:Wheat
Start	904	End	1394
GI	none	Score	98
Exons	904..1110, 962..1096, 1117..1248, 1130..1249, 1149..1274, 1248..1394, 1249..1347		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	916	End	1161
GI	none	Score	98
Exons	916..1161, 980..1156		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o3.tm	Method	TBLASTX:Maize
Start	916	End	1161
GI	none	Score	98
Exons	916..1161, 980..1156		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o1.tw	Method	TBLASTX:Wheat
Start	1773	End	2348
GI	none	Score	152
Exons	1773..2123, 1774..2151, 1777..1875, 1779..2132, 1975..2136, 2156..2314, 2160..2306, 2160..2348, 2167..2331		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o2.ts	Method	TBLASTX:Soybean
Start	1905	End	2301
GI	none	Score	63
Exons	1905..2126, 2160..2300, 2167..2301		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o4.tm	Method	TBLASTX:Maize

Start	2109	End	2345
GI	none	Score	168
Exons	2109..2345, 2122..2331		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o3.np	Method	AAT/NAP
Start	11913	End	13080
GI	6498441	Score	1763
Exons	11913..12184, 12278..13080		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o4.tw	Method	TBLASTX:Wheat
Start	11922	End	12514
GI	none	Score	78
Exons	11922..12047, 11926..12048, 12078..12167, 12176..12514, 12219..12509		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o5.gs	Method	GENSCAN
Start	12050	End	13029
GI	none	Score	.88
Exons	12050..13029		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o3.tw	Method	TBLASTX:Wheat
Start	12515	End	12896
GI	none	Score	238
Exons	12515..12895, 12546..12896		

Seq. No.	10731	Seq. ID	OJ990410_23.9923.C12
Gene No.	22840	Strand	-
Start	12050	End	13080
Name	OJ990410_23.9923.C12.o1.tm	Method	TBLASTX:Maize
Start	12701	End	13033
GI	none	Score	84
Exons	12701..12913, 12710..13033, 12723..13004		

Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o1.np	Method	AAT/NAP
Start	1	End	4005
GI	6498441	Score	4750
Exons	1..328, 500..1222, 1397..1531, 1715..2088, 2152..2615, 2946..4005		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the		

predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o1.gs	Method	GENSCAN
Start	53	End	2025
GI	none	Score	.49
Exons	53..349, 500..850, 883..2025		

Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o4.tw	Method	TBLASTX:Wheat
Start	194	End	652
GI	none	Score	88
Exons	194..343, 195..332, 387..575, 404..628, 431..652		

Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	1060	End	1461
GI	none	Score	91
Exons	1060..1461, 1271..1438		

Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o2.tw	Method	TBLASTX:Wheat
Start	1090	End	1509
GI	none	Score	270
Exons	1090..1509, 1115..1486, 1231..1506		

Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o2.tm	Method	TBLASTX:Maize
Start	1183	End	1566
GI	none	Score	189
Exons	1183..1566, 1202..1456, 1297..1566		

Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	1594	End	1950
GI	none	Score	73
Exons	1594..1710, 1594..1950, 1604..1915		

Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o1.tw	Method	TBLASTX:Wheat
Start	1618	End	2081
GI	none	Score	183

Exons	1618..2079, 1624..2016, 1625..2080, 1638..2081		
Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o2.ts	Method	TBLASTX:Soybean
Start	1675	End	2031
GI	none	Score	109
Exons	1675..1809, 1816..2031		
Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o2.gs	Method	GENSCAN
Start	2089	End	4215
GI	none	Score	.58
Exons	2089..3563, 3672..3809, 3826..4215		
Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o3.tw	Method	TBLASTX:Wheat
Start	2245	End	2731
GI	none	Score	166
Exons	2245..2730, 2276..2536, 2558..2731		
Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o5.tw	Method	TBLASTX:Wheat
Start	3469	End	3858
GI	none	Score	86
Exons	3469..3726, 3503..3742, 3709..3801, 3710..3790, 3814..3858		
Seq. No.	10732	Seq. ID	OJ990410_23.9923.C13
Gene No.	22841	Strand	-
Start	1	End	4215
Name	OJ990410_23.9923.C13.o3.tm	Method	TBLASTX:Maize
Start	3571	End	3819
GI	none	Score	102
Exons	3571..3819, 3572..3784		
Seq. No.	10733	Seq. ID	OJ990410_23.9923.C14
Gene No.	22842	Strand	+
Start	2422	End	2858
Name	OJ990410_23.9923.C14.o1.gp	Method	AAT/GAP
Start	2422	End	2858
GI	2428230	Score	686
Exons	2422..2629, 2659..2858		
Seq. No.	10733	Seq. ID	OJ990410_23.9923.C14
Gene No.	22843	Strand	-
Start	454	End	5606
Name	OJ990410_23.9923.C14.o1.np	Method	AAT/NAP
Start	454	End	5606
GI	4539660	Score	113
Exons	454..593, 1206..1274, 5562..5606		

GI Descrip. (AF061282) polyprotein [Sorghum bicolor]

Seq. No.	10734	Seq. ID	OJ990410_23.9923.C15
Gene No.	22844	Strand	+
Start	8	End	73
Name	OJ990410_23.9923.C15.o1.gs	Method	GENSCAN
Start	8	End	73
GI	none	Score	.96
Exons	8..73		

Seq. No.	10735	Seq. ID	OJ990410_23.9923.C16
Gene No.	22845	Strand	+
Start	708	End	2708
Name	OJ990410_23.9923.C16.o1.gs	Method	GENSCAN
Start	708	End	2686
GI	none	Score	.46
Exons	708..775, 1389..1449, 2645..2686		

Seq. No.	10735	Seq. ID	OJ990410_23.9923.C16
Gene No.	22845	Strand	+
Start	708	End	2708
Name	OJ990410_23.9923.C16.o2.gp	Method	AAT/GAP
Start	2529	End	2708
GI	none	Score	304
Exons	2529..2708		

Seq. No.	10735	Seq. ID	OJ990410_23.9923.C16
Gene No.	22846	Strand	+
Start	3099	End	3648
Name	OJ990410_23.9923.C16.o3.gp	Method	AAT/GAP
Start	3099	End	3648
GI	none	Score	460
Exons	3099..3216, 3498..3648		

Seq. No.	10735	Seq. ID	OJ990410_23.9923.C16
Gene No.	22847	Strand	-
Start	5769	End	7186
Name	OJ990410_23.9923.C16.o1.np	Method	AAT/NAP
Start	5769	End	7186
GI	3023751	Score	19
Exons	5769..5889, 7110..7186		

GI Descrip. 70 KD PEPTIDYLPROLYL ISOMERASE (PEPTIDYLPROLYL CIS-TRANS ISOMERASE) (CYCLOPHILIN) (PPIASE) gi|1076772|pir||S55383 peptidylprolyl isomerase (EC 5.2.1.8) - wheat gi|854626|emb|CAA60505| (X86903) peptidylprolyl isomerase [Triticum aestivum]

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22848	Strand	+
Start	4902	End	9345
Name	OJ990410_23.9923.C17.o2.gs	Method	GENSCAN
Start	4902	End	9345
GI	none	Score	.58
Exons	4902..4971, 5426..5531, 5629..5674, 5973..6062, 6921..7147, 7248..7370, 7517..7640, 7682..7850, 8480..8539, 9052..9126, 9305..9345		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22849	Strand	-
Start	839	End	4747
Name	OJ990410_23.9923.C17.o1.gs	Method	GENSCAN
Start	839	End	4654
GI	none	Score	.5
Exons	839..1359, 1813..2505, 2623..2852, 3897..3989, 4305..4654		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22849	Strand	-
Start	839	End	4747
Name	OJ990410_23.9923.C17.o1.np	Method	AAT/NAP
Start	842	End	4747
GI	6539553	Score	6431
Exons	842..4747		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o2.tw	Method	TBLASTX:Wheat
Start	978	End	1454
GI	none	Score	132
Exons	978..1106, 1016..1372, 1055..1363, 1179..1364, 1261..1365, 1365..1448, 1379..1453, 1401..1454		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o5.ts	Method	TBLASTX:Soybean
Start	1091	End	1459
GI	none	Score	80
Exons	1091..1315, 1334..1459		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o5.tm	Method	TBLASTX:Maize
Start	1310	End	1649
GI	none	Score	189
Exons	1310..1648, 1311..1649		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o2.ts	Method	TBLASTX:Soybean
Start	1460	End	1805
GI	none	Score	109
Exons	1460..1804, 1605..1805		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o3.tw	Method	TBLASTX:Wheat

Start	1658	End	2203
GI	none	Score	72
Exons	1658..1864, 1859..2203, 1883..2056		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o3.tm	Method	TBLASTX:Maize
Start	1739	End	2203
GI	none	Score	87
Exons	1739..2203, 1886..2068		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o1.ts	Method	TBLASTX:Soybean
Start	1874	End	2338
GI	5509260	Score	366
Exons	1874..2338		
GI Descrip.	-		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o1.tc	Method	TBLASTX:Cress
Start	1985	End	2245
GI	none	Score	265
Exons	1985..2245		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o1.tw	Method	TBLASTX:Wheat
Start	2258	End	3013
GI	none	Score	452
Exons	2258..2986, 2258..2491, 2275..2505, 2526..3005, 2557..3006, 2564..3013		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o2.tc	Method	TBLASTX:Cress
Start	2639	End	3046
GI	none	Score	119
Exons	2639..2833, 2846..3046		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o3.ts	Method	TBLASTX:Soybean
Start	2663	End	3061
GI	none	Score	38
Exons	2663..2836, 2790..2828, 2837..3061, 2883..3059		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264

Name	OJ990410_23.9923.C17.o4.tm	Method	TBLASTX:Maize
Start	2849	End	3283
GI	none	Score	72
Exons	2849..3283, 2874..3029		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o5.tw	Method	TBLASTX:Wheat
Start	3014	End	3352
GI	none	Score	68
Exons	3014..3352, 3035..3220		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o4.ts	Method	TBLASTX:Soybean
Start	3071	End	3457
GI	none	Score	84
Exons	3071..3319, 3302..3457		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	3484	End	3806
GI	none	Score	370
Exons	3484..3768, 3485..3799, 3486..3779, 3552..3806		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o2.tm	Method	TBLASTX:Maize
Start	4307	End	4618
GI	none	Score	286
Exons	4307..4618, 4308..4610, 4310..4612		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o4.tw	Method	TBLASTX:Wheat
Start	4367	End	4753
GI	none	Score	263
Exons	4367..4753, 4368..4742		

Seq. No.	10736	Seq. ID	OJ990410_23.9923.C17
Gene No.	22850	Strand	-
Start	9951	End	10264
Name	OJ990410_23.9923.C17.o1.gp	Method	AAT/GAP
Start	9951	End	10264
GI	61605_3.R1084	Score	429
Exons	9951..10264		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22851	Strand	+

Start	304	End	1606
Name	OJ990410_23.9923.C18.o1.gs	Method	GENSCAN
Start	304	End	1606
GI	none	Score	.94
Exons	304..382, 1068..1606		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22852	Strand	+
Start	6802	End	8960
Name	OJ990410_23.9923.C18.o3.gs	Method	GENSCAN
Start	6802	End	8960
GI	none	Score	.75
Exons	6802..6815, 7445..7600, 8321..8960		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22853	Strand	-
Start	5341	End	6672
Name	OJ990410_23.9923.C18.o1.np	Method	AAT/NAP
Start	5341	End	6672
GI	6630696	Score	2049
Exons	5341..6672		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o11.tw	Method	TBLASTX:Wheat
Start	4866	End	5202
GI	none	Score	61
Exons	4866..4943, 4867..4938, 4980..5054, 4981..5058, 4988..5056, 5047..5127, 5058..5129, 5059..5121, 5060..5152, 5124..5201, 5130..5201, 5131..5202		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o11.tm	Method	TBLASTX:Maize
Start	5148	End	5467
GI	none	Score	41
Exons	5148..5186, 5159..5188, 5211..5324, 5212..5328, 5243..5338, 5246..5332, 5376..5465, 5377..5466, 5378..5467, 5378..5467		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o2.tw	Method	TBLASTX:Wheat
Start	5477	End	5965
GI	none	Score	442
Exons	5477..5863, 5479..5871, 5864..5947, 5872..5952, 5878..5952, 5879..5965		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o4.ts	Method	TBLASTX:Soybean

Start	5605	End	5946
GI	none	Score	94
Exons	5605..5814, 5666..5782, 5833..5946, 5840..5911		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o6.tm	Method	TBLASTX:Maize
Start	5809	End	6155
GI	none	Score	100
Exons	5809..5952, 5810..5953, 5810..5953, 5953..6141, 5955..6155, 5958..6149		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o5.ts	Method	TBLASTX:Soybean
Start	5958	End	6275
GI	none	Score	74
Exons	5958..6146, 5959..6144, 6147..6275		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o7.tw	Method	TBLASTX:Wheat
Start	6159	End	6656
GI	none	Score	258
Exons	6159..6371, 6360..6656		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o5.tm	Method	TBLASTX:Maize
Start	6240	End	6664
GI	none	Score	61
Exons	6240..6656, 6343..6453, 6489..6551, 6626..6664		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o3.ts	Method	TBLASTX:Soybean
Start	6276	End	6656
GI	none	Score	85
Exons	6276..6311, 6321..6656, 6330..6551, 6526..6654		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o2.np	Method	AAT/NAP
Start	9798	End	14373
GI	4680179	Score	6551
Exons	9798..14373		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373

Name	OJ990410_23.9923.C18.o4.gs	Method	GENSCAN
Start	9807	End	14370
GI	none	Score	.78
Exons	9807..10891, 11171..11296, 11538..14370		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o9.tm	Method	TBLASTX:Maize
Start	9834	End	10034
GI	none	Score	191
Exons	9834..10034		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o8.tw	Method	TBLASTX:Wheat
Start	9843	End	10176
GI	none	Score	77
Exons	9843..10175, 10039..10176		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	10035	End	10622
GI	none	Score	182
Exons	10035..10304, 10036..10296, 10365..10463, 10366..10461, 10395..10463, 10461..10622, 10468..10614, 10470..10616		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o1.tw	Method	TBLASTX:Wheat
Start	10176	End	10802
GI	none	Score	371
Exons	10176..10802, 10177..10746		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o4.tm	Method	TBLASTX:Maize
Start	10671	End	10962
GI	none	Score	235
Exons	10671..10961, 10675..10962		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o2.ts	Method	TBLASTX:Soybean
Start	10761	End	11021
GI	none	Score	155
Exons	10761..11021, 10762..11016		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373

Name	OJ990410_23.9923.C18.o4.tw	Method	TBLASTX:Wheat
Start	10809	End	11288
GI	none	Score	274
Exons	10809..11288, 10810..11193, 10815..11270		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o3.tw	Method	TBLASTX:Wheat
Start	11292	End	11802
GI	none	Score	49
Exons	11292..11429, 11383..11430, 11430..11684, 11431..11802, 11462..11770		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o2.tm	Method	TBLASTX:Maize
Start	11491	End	11931
GI	none	Score	229
Exons	11491..11931, 11504..11917		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o6.ts	Method	TBLASTX:Soybean
Start	11551	End	11793
GI	none	Score	192
Exons	11551..11793		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o6.tw	Method	TBLASTX:Wheat
Start	11803	End	12105
GI	none	Score	201
Exons	11803..12105, 11804..12067		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o1.ts	Method	TBLASTX:Soybean
Start	11818	End	12213
GI	none	Score	126
Exons	11818..12177, 11819..12061, 12036..12170, 12100..12174, 12181..12213, 12181..12213		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o10.tm	Method	TBLASTX:Maize
Start	11936	End	12099
GI	none	Score	122
Exons	11936..12094, 11937..12095, 11938..12099		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-

Start	9807	End	14373
Name	OJ990410_23.9923.C18.o3.tm	Method	TBLASTX:Maize
Start	12100	End	12571
GI	none	Score	97
Exons	12100..12567, 12133..12480, 12338..12571		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o5.tw	Method	TBLASTX:Wheat
Start	12154	End	12640
GI	none	Score	305
Exons	12154..12636, 12197..12640		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o10.tw	Method	TBLASTX:Wheat
Start	12811	End	13165
GI	none	Score	80
Exons	12811..13164, 12847..12981, 13070..13165		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o7.tm	Method	TBLASTX:Maize
Start	12898	End	13218
GI	none	Score	209
Exons	12898..13218		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o8.tm	Method	TBLASTX:Maize
Start	13564	End	13860
GI	none	Score	117
Exons	13564..13860, 13673..13843		

Seq. No.	10737	Seq. ID	OJ990410_23.9923.C18
Gene No.	22854	Strand	-
Start	9807	End	14373
Name	OJ990410_23.9923.C18.o9.tw	Method	TBLASTX:Wheat
Start	13741	End	14104
GI	none	Score	88
Exons	13741..14100, 13742..13975, 14000..14104		

Seq. No.	10738	Seq. ID	OJ990410_23.9923.C19
Gene No.	22855	Strand	+
Start	5730	End	7628
Name	OJ990410_23.9923.C19.o2.np	Method	AAT/NAP
Start	5730	End	7628
GI	121628	Score	128
Exons	5730..6152, 7268..7628		
GI Descrip.	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 1.0 PRECURSOR (GRP 1.0) gi|81867|pir||S01821 glycine-rich protein 1.0 precursor - kidney bean gi|21001|emb|CAA31931| (X13595) GRP 1.0 protein (AA 1 - 252) [Phaseolus vulgaris]		

Seq. No.	10738	Seq. ID	OJ990410_23.9923.C19
Gene No.	22856	Strand	-
Start	419	End	3189
Name	OJ990410_23.9923.C19.o1.np	Method	AAT/NAP
Start	265	End	2742
GI	6630696	Score	3742
Exons	265..2742		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	10738	Seq. ID	OJ990410_23.9923.C19
Gene No.	22856	Strand	-
Start	419	End	3189
Name	OJ990410_23.9923.C19.o1.tw	Method	TBLASTX:Wheat
Start	362	End	1116
GI	none	Score	250
Exons	362..1042, 367..876, 367..1098, 371..895, 612..1040, 952..1041, 1042..1116, 1043..1108		

Seq. No.	10738	Seq. ID	OJ990410_23.9923.C19
Gene No.	22856	Strand	-
Start	419	End	3189
Name	OJ990410_23.9923.C19.o1.gs	Method	GENSCAN
Start	419	End	3189
GI	none	Score	.48
Exons	419..956, 1401..1468, 1581..1883, 2096..2586, 2766..3189		

Seq. No.	10738	Seq. ID	OJ990410_23.9923.C19
Gene No.	22856	Strand	-
Start	419	End	3189
Name	OJ990410_23.9923.C19.o1.ts	Method	TBLASTX:Soybean
Start	767	End	1164
GI	none	Score	65
Exons	767..940, 947..1042, 1004..1162, 1042..1164		

Seq. No.	10738	Seq. ID	OJ990410_23.9923.C19
Gene No.	22856	Strand	-
Start	419	End	3189
Name	OJ990410_23.9923.C19.o3.tm	Method	TBLASTX:Maize
Start	953	End	1415
GI	none	Score	63
Exons	953..1042, 1042..1332, 1043..1132, 1359..1415		

Seq. No.	10738	Seq. ID	OJ990410_23.9923.C19
Gene No.	22856	Strand	-
Start	419	End	3189
Name	OJ990410_23.9923.C19.o3.tw	Method	TBLASTX:Wheat
Start	1117	End	1309
GI	none	Score	218
Exons	1117..1308, 1118..1309		

Seq. No.	10738	Seq. ID	OJ990410_23.9923.C19
Gene No.	22856	Strand	-
Start	419	End	3189
Name	OJ990410_23.9923.C19.o1.tm	Method	TBLASTX:Maize

Start	1503	End	1907
GI	none	Score	249
Exons	1503..1565, 1563..1907, 1584..1883, 1600..1884		

Seq. No.	10738	Seq. ID	OJ990410_23.9923.C19
Gene No.	22856	Strand	-
Start	419	End	3189
Name	OJ990410_23.9923.C19.o2.tm	Method	TBLASTX:Maize
Start	2391	End	2693
GI	none	Score	151
Exons	2391..2693, 2393..2692		

Seq. No.	10738	Seq. ID	OJ990410_23.9923.C19
Gene No.	22856	Strand	-
Start	419	End	3189
Name	OJ990410_23.9923.C19.o2.tw	Method	TBLASTX:Wheat
Start	2453	End	2847
GI	none	Score	158
Exons	2453..2662, 2453..2674, 2466..2684, 2713..2847, 2750..2830		

Seq. No.	10739	Seq. ID	OJ990410_23.9923.C20
Gene No.	22857	Strand	+
Start	1640	End	2400
Name	OJ990410_23.9923.C20.o1.gs	Method	GENSCAN
Start	1640	End	2400
GI	none	Score	.47
Exons	1640..1751, 2201..2400		

Seq. No.	10739	Seq. ID	OJ990410_23.9923.C20
Gene No.	22858	Strand	-
Start	2541	End	3167
Name	OJ990410_23.9923.C20.o2.gs	Method	GENSCAN
Start	2541	End	3167
GI	none	Score	.55
Exons	2541..3059, 3094..3167		

Seq. No.	10739	Seq. ID	OJ990410_23.9923.C20
Gene No.	22858	Strand	-
Start	2541	End	3167
Name	OJ990410_23.9923.C20.o1.np	Method	AAT/NAP
Start	2794	End	2912
GI	6815052	Score	62
Exons	2794..2912		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	10740	Seq. ID	OJ990410_23.9923.C21
Gene No.	22859	Strand	-
Start	1	End	680
Name	OJ990410_23.9923.C21.o1.np	Method	AAT/NAP
Start	1	End	680
GI	6630696	Score	795
Exons	1..680		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	10740	Seq. ID	OJ990410_23.9923.C21

Gene No.	22859	Strand	-
Start	1	End	680
Name	OJ990410_23.9923.C21.o1.gs	Method	GENSCAN
Start	50	End	655
GI	none	Score	.92
Exons	50..655		

Seq. No.	10740	Seq. ID	OJ990410_23.9923.C21
Gene No.	22859	Strand	-
Start	1	End	680
Name	OJ990410_23.9923.C21.o1.tm	Method	TBLASTX:Maize
Start	342	End	628
GI	none	Score	116
Exons	342..626, 342..626, 491..628		

Seq. No.	10740	Seq. ID	OJ990410_23.9923.C21
Gene No.	22859	Strand	-
Start	1	End	680
Name	OJ990410_23.9923.C21.o1.tw	Method	TBLASTX:Wheat
Start	390	End	608
GI	none	Score	143
Exons	390..608, 412..585		

Seq. No.	10741	Seq. ID	OJ990410_23.9923.C22
Gene No.	22860	Strand	-
Start	1	End	572
Name	OJ990410_23.9923.C22.o1.np	Method	AAT/NAP
Start	1	End	572
GI	129916	Score	426
Exons	1..32, 164..499, 555..572		
GI Descrip.	PHOSPHOGLYCERATE KINASE, CYTOSOLIC gi|66911|pir||TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat gi|21835|emb|CAA33302| (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	10741	Seq. ID	OJ990410_23.9923.C22
Gene No.	22860	Strand	-
Start	1	End	572
Name	OJ990410_23.9923.C22.o1.tw	Method	TBLASTX:Wheat
Start	171	End	571
GI	none	Score	50
Exons	171..497, 181..219, 223..498, 227..499, 248..571		

Seq. No.	10741	Seq. ID	OJ990410_23.9923.C22
Gene No.	22860	Strand	-
Start	1	End	572
Name	OJ990410_23.9923.C22.o1.tc	Method	TBLASTX:Cress
Start	177	End	499
GI	none	Score	348
Exons	177..497, 181..498, 227..499		

Seq. No.	10741	Seq. ID	OJ990410_23.9923.C22
Gene No.	22860	Strand	-
Start	1	End	572
Name	OJ990410_23.9923.C22.o1.ts	Method	TBLASTX:Soybean
Start	177	End	499
GI	none	Score	349

Exons	177..497, 178..498, 227..499		
Seq. No.	10741	Seq. ID	OJ990410_23.9923.C22
Gene No.	22860	Strand	-
Start	1	End	572
Name	OJ990410_23.9923.C22.o1.tm	Method	TBLASTX:Maize
Start	177	End	499
GI	none	Score	410
Exons	177..497, 181..498, 230..499, 302..499		
Seq. No.	10741	Seq. ID	OJ990410_23.9923.C22
Gene No.	22860	Strand	-
Start	1	End	572
Name	OJ990410_23.9923.C22.o1.gs	Method	GENSCAN
Start	180	End	497
GI	none	Score	1
Exons	180..497		
Seq. No.	10742	Seq. ID	OJ990410_23.9923.C23
Gene No.	22861	Strand	-
Start	1	End	867
Name	OJ990410_23.9923.C23.o1.np	Method	AAT/NAP
Start	1	End	867
GI	6815062	Score	273
Exons	1..284, 391..441, 512..610, 687..867		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	10742	Seq. ID	OJ990410_23.9923.C23
Gene No.	22861	Strand	-
Start	1	End	867
Name	OJ990410_23.9923.C23.o1.gs	Method	GENSCAN
Start	68	End	790
GI	none	Score	.84
Exons	68..441, 512..610, 687..790		
Seq. No.	10743	Seq. ID	OJ990410_23.9923.C24
Gene No.	22862	Strand	-
Start	1	End	2812
Name	OJ990410_23.9923.C24.o1.np	Method	AAT/NAP
Start	1	End	2812
GI	6815062	Score	2136
Exons	1..30, 116..973, 1065..1135, 1307..2812		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	10743	Seq. ID	OJ990410_23.9923.C24
Gene No.	22862	Strand	-
Start	1	End	2812
Name	OJ990410_23.9923.C24.o2.tm	Method	TBLASTX:Maize
Start	269	End	773
GI	none	Score	195
Exons	269..607, 273..578, 353..607, 638..772, 648..773		
Seq. No.	10743	Seq. ID	OJ990410_23.9923.C24

Gene No.	22862	Strand	-
Start	1	End	2812
Name	OJ990410_23.9923.C24.o1.tm	Method	TBLASTX:Maize
Start	2227	End	2770
GI	none	Score	73
Exons	2227..2355, 2229..2354, 2382..2594, 2384..2593, 2642..2770		

Seq. No.	10744	Seq. ID	OJ990410_23.9923.C29
Gene No.	22863	Strand	-
Start	164	End	261
Name	OJ990410_23.9923.C29.o1.gs	Method	GENSCAN
Start	164	End	261
GI	none	Score	.98
Exons	164..261		

Seq. No.	10745	Seq. ID	OJ990410_23.9923.C30
Gene No.	22864	Strand	+
Start	1	End	188
Name	OJ990410_23.9923.C30.o1.gp	Method	AAT/GAP
Start	1	End	188
GI	3061011	Score	372
Exons	1..188		

Seq. No.	10746	Seq. ID	OJ990430_21.9910.C1
Gene No.	22865	Strand	+
Start	491	End	550
Name	OJ990430_21.9910.C1.o1.np	Method	AAT/NAP
Start	491	End	550
GI	2498930	Score	69
Exons	491..550		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	10747	Seq. ID	OJ990430_21.9910.C2
Gene No.	22867	Strand	-
Start	1	End	114
Name	OJ990430_21.9910.C2.o1.gs	Method	GENSCAN
Start	1	End	114
GI	none	Score	.59
Exons	1..114		

Seq. No.	10748	Seq. ID	OJ990430_21.9910.C4
Gene No.	22868	Strand	+
Start	469	End	5703
Name	OJ990430_21.9910.C4.o1.gs	Method	GENSCAN
Start	469	End	5703
GI	none	Score	.49
Exons	469..634, 760..831, 1600..1681, 1722..1891, 2395..2568, 2774..3200, 3302..3442, 3505..3677, 4645..4756, 5610..5703		

Seq. No.	10748	Seq. ID	OJ990430_21.9910.C4
Gene No.	22869	Strand	-
Start	1055	End	3828
Name	OJ990430_21.9910.C4.o2.np	Method	AAT/NAP
Start	1055	End	3828
GI	6815109	Score	344
Exons	1055..1089, 2349..2932, 3103..3828		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	10748	Seq. ID	OJ990430_21.9910.C4
Gene No.	22870	Strand	-
Start	7290	End	8504
Name	OJ990430_21.9910.C4.o2.gs	Method	GENSCAN
Start	7290	End	8504
GI	none	Score	.63
Exons	7290..8378, 8421..8504		

Seq. No.	10748	Seq. ID	OJ990430_21.9910.C4
Gene No.	22870	Strand	-
Start	7290	End	8504
Name	OJ990430_21.9910.C4.o1.tm	Method	TBLASTX:Maize
Start	7740	End	8105
GI	none	Score	58
Exons	7740..7811, 7741..7812, 7845..8105, 7851..8105		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22871	Strand	+
Start	1	End	8690
Name	OJ990430_21.9910.C5.o1.np	Method	AAT/NAP
Start	1	End	3926
GI	4539658	Score	93
Exons	1..40, 3788..3926		

GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22871	Strand	+
Start	1	End	8690
Name	OJ990430_21.9910.C5.o1.gs	Method	GENSCAN
Start	861	End	2485
GI	none	Score	.65
Exons	861..927, 1721..1843, 2033..2246, 2281..2485		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22871	Strand	+
Start	1	End	8690
Name	OJ990430_21.9910.C5.o2.np	Method	AAT/NAP
Start	3791	End	6438
GI	4539658	Score	96
Exons	3791..3942, 6408..6438		

GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22871	Strand	+
Start	1	End	8690
Name	OJ990430_21.9910.C5.o3.np	Method	AAT/NAP
Start	4640	End	8690
GI	6907089	Score	171
Exons	4640..4922, 7415..7459, 8623..8690		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22872	Strand	+

Start	12354	End	13174
Name	OJ990430_21.9910.C5.o4.np	Method	AAT/NAP
Start	12354	End	13174
GI	6561943	Score	409
Exons	12354..12476, 12555..12635, 12715..12812, 12972..13053, 13139..13174		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22873	Strand	-
Start	6068	End	9010
Name	OJ990430_21.9910.C5.o3.gs	Method	GENSCAN
Start	6068	End	9010
GI	none	Score	.53
Exons	6068..6572, 8823..9010		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22874	Strand	-
Start	10895	End	22770
Name	OJ990430_21.9910.C5.o5.np	Method	AAT/NAP
Start	10895	End	19367
GI	2244865	Score	513
Exons	10895..10941, 14714..14976, 15289..15506, 16325..16415, 16886..17041, 17286..17357, 17459..17527, 17966..18337, 19115..19228, 19323..19367		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22874	Strand	-
Start	10895	End	22770
Name	OJ990430_21.9910.C5.o2.tm	Method	TBLASTX:Maize
Start	12356	End	13064
GI	none	Score	123
Exons	12356..12496, 12376..12477, 12554..12634, 12555..12635, 12557..12637, 12706..12810, 12706..12810, 12707..12811, 12708..12812, 12714..12812, 12948..13055, 12966..13064, 12970..13059		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22874	Strand	-
Start	10895	End	22770
Name	OJ990430_21.9910.C5.o2.ts	Method	TBLASTX:Soybean
Start	12377	End	12812
GI	none	Score	63
Exons	12377..12532, 12384..12479, 12386..12484, 12555..12590, 12585..12635, 12593..12625, 12705..12812, 12706..12810		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22874	Strand	-
Start	10895	End	22770
Name	OJ990430_21.9910.C5.o1.gp	Method	AAT/GAP
Start	14098	End	14615
GI	3768248	Score	989
Exons	14098..14615		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22874	Strand	-

Start	10895	End	22770
Name	OJ990430_21.9910.C5.o1.tm	Method	TBLASTX:Maize
Start	14230	End	14671
GI	none	Score	43
Exons	14230..14289, 14242..14277, 14288..14575, 14290..14577, 14292..14582, 14293..14577, 14570..14644, 14572..14655, 14572..14655, 14597..14671		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22874	Strand	-
Start	10895	End	22770
Name	OJ990430_21.9910.C5.o4.gs	Method	GENSCAN
Start	14251	End	22770
GI	none	Score	.65
Exons	14251..14976, 15304..15489, 16341..16421, 17966..18047, 18613..18736, 20150..20221, 22716..22770		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22874	Strand	-
Start	10895	End	22770
Name	OJ990430_21.9910.C5.o4.tm	Method	TBLASTX:Maize
Start	17278	End	17530
GI	none	Score	87
Exons	17278..17358, 17283..17360, 17459..17530, 17459..17527		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22874	Strand	-
Start	10895	End	22770
Name	OJ990430_21.9910.C5.o3.tm	Method	TBLASTX:Maize
Start	17989	End	19373
GI	none	Score	138
Exons	17989..18195, 17990..18193, 17992..18198, 18254..18334, 18255..18335, 19110..19229, 19115..19243, 19126..19230, 19320..19370, 19321..19368, 19323..19373		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22874	Strand	-
Start	10895	End	22770
Name	OJ990430_21.9910.C5.o1.ts	Method	TBLASTX:Soybean
Start	18251	End	19367
GI	none	Score	90
Exons	18251..18337, 18261..18338, 19106..19243, 19107..19229, 19112..19231, 19320..19367, 19321..19365		

Seq. No.	10749	Seq. ID	OJ990430_21.9910.C5
Gene No.	22874	Strand	-
Start	10895	End	22770
Name	OJ990430_21.9910.C5.o1.tc	Method	TBLASTX:Cress
Start	18284	End	19422
GI	none	Score	89
Exons	18284..18337, 19109..19243, 19119..19229, 19320..19364, 19321..19422		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22875	Strand	+
Start	1001	End	3564
Name	OJ990430_21.9910.C6.o1.np	Method	AAT/NAP

Start	1001	End	3038
GI	99922	Score	452
Exons	1001..1234, 1267..1755, 3012..3038		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22875	Strand	+
Start	1001	End	3564
Name	OJ990430_21.9910.C6.o1.gs	Method	GENSCAN
Start	2320	End	3564
GI	none	Score	.73
Exons	2320..2472, 2880..2998, 3483..3564		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22876	Strand	-
Start	3802	End	10015
Name	OJ990430_21.9910.C6.o2.gs	Method	GENSCAN
Start	3802	End	10015
GI	none	Score	.44
Exons	3802..3968, 4147..4242, 4335..4493, 5583..5650, 6682..7045, 7282..10015		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22876	Strand	-
Start	3802	End	10015
Name	OJ990430_21.9910.C6.o2.np	Method	AAT/NAP
Start	6699	End	10009
GI	2586083	Score	1792
Exons	6699..7045, 7282..9432, 9505..10009		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o3.ts	Method	TBLASTX:Soybean
Start	950	End	1221
GI	none	Score	82
Exons	950..1036, 1030..1221		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o2.tw	Method	TBLASTX:Wheat
Start	1051	End	1534
GI	none	Score	116
Exons	1051..1221, 1053..1241, 1298..1417, 1409..1534		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o4.tm	Method	TBLASTX:Maize
Start	1396	End	1609
GI	none	Score	184
Exons	1396..1437, 1401..1589, 1403..1609, 1468..1599		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6

Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o3.tm	Method	TBLASTX:Maize
Start	6855	End	7048
GI	none	Score	123
Exons	6855..7046, 6856..7047, 6914..7048		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o2.ts	Method	TBLASTX:Soybean
Start	6873	End	7882
GI	none	Score	73
Exons	6873..7046, 6952..7047, 7316..7531, 7376..7525, 7571..7783, 7581..7772, 7751..7882, 7776..7865		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o1.tc	Method	TBLASTX:Cress
Start	6951	End	9867
GI	none	Score	96
Exons	6951..7046, 7283..7324, 7367..7516, 7664..7780, 8117..8503, 8165..8500, 8168..8497, 8171..8527, 8171..8497, 8171..8458, 8171..8497, 8171..8500, 8172..8483, 8172..8504, 8202..8327, 8222..8497, 8234..8500, 8238..8423, 8246..8512, 8294..8527, 8297..8497, 8303..8383, 8474..8728, 8501..8872, 8507..8869, 8507..8806, 8508..8639, 8525..8884, 8525..8869, 8525..8872, 8526..8618, 8532..8855, 8537..8860, 8585..8869, 8601..8786, 8667..8789, 8960..9154, 8960..9154, 8987..9187, 9002..9154, 9059..9154, 9189..9449, 9194..9760, 9194..9748, 9194..9757, 9197..9727, 9206..9619, 9209..9727, 9278..9763, 9281..9748, 9404..9727, 9419..9748, 9422..9715, 9494..9562, 9540..9644, 9548..9748, 9575..9793, 9776..9847, 9847..9867		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o1.tm	Method	TBLASTX:Maize
Start	7277	End	7741
GI	none	Score	78
Exons	7277..7531, 7296..7532, 7559..7741, 7566..7727		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o1.ts	Method	TBLASTX:Soybean
Start	8171	End	9757
GI	none	Score	75
Exons	8171..8506, 8171..8497, 8171..8497, 8171..8299, 8172..8399, 8172..8483, 8222..8500, 8238..8423, 8243..8434, 8246..8503, 8384..8497, 8480..8866, 8480..8710, 8507..8869, 8529..8558, 8529..8618, 8534..8590, 8537..8869, 8606..8638, 8679..8849, 9188..9277, 9194..9727, 9194..9694, 9197..9748, 9209..9727, 9281..9748, 9419..9757, 9434..9604		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6

Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o1.tw	Method	TBLASTX:Wheat
Start	8171	End	9721
GI	none	Score	104
Exons	8171..8362, 8264..8602, 8480..8731, 8501..8677, 8555..8797, 8627..9049, 8649..8915, 8950..9018, 9194..9331, 9371..9613, 9443..9706, 9459..9590, 9512..9721		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o2.tm	Method	TBLASTX:Maize
Start	8171	End	9760
GI	none	Score	85
Exons	8171..8503, 8234..8497, 8243..8497, 8471..8503, 8504..8869, 8507..8869, 8535..8798, 8595..8834, 8987..9154, 9197..9613, 9260..9688, 9419..9748, 9476..9760		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o3.np	Method	AAT/NAP
Start	11394	End	12350
GI	4680180	Score	332
Exons	11394..11485, 11536..12350		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o3.gs	Method	GENSCAN
Start	11417	End	12171
GI	none	Score	.45
Exons	11417..11837, 11937..12171		

Seq. No.	10750	Seq. ID	OJ990430_21.9910.C6
Gene No.	22877	Strand	-
Start	11417	End	12350
Name	OJ990430_21.9910.C6.o3.tw	Method	TBLASTX:Wheat
Start	11747	End	12154
GI	none	Score	64
Exons	11747..12010, 12039..12152, 12050..12154		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22878	Strand	+
Start	6496	End	6665
Name	OJ990430_21.9910.C7.o2.np	Method	AAT/NAP
Start	2864	End	3270
GI	2462640	Score	339
Exons	2864..3270		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22878	Strand	+
Start	6496	End	6665
Name	OJ990430_21.9910.C7.o2.gs	Method	GENSCAN

Start	6496	End	6665
GI	none	Score	.61
Exons	6496..6605, 6638..6665		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22879	Strand	+
Start	11788	End	17898
Name	OJ990430_21.9910.C7.o4.gs	Method	GENSCAN
Start	11788	End	17898
GI	none	Score	.93
Exons	11788..14720, 14817..17898		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22879	Strand	+
Start	11788	End	17898
Name	OJ990430_21.9910.C7.o4.np	Method	AAT/NAP
Start	11788	End	17862
GI	5922631	Score	6703
Exons	11788..11912, 12171..12415, 12665..12867, 12913..13484, 13527..13678, 13805..14728, 15335..17862		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22880	Strand	+
Start	22815	End	23033
Name	OJ990430_21.9910.C7.o6.np	Method	AAT/NAP
Start	22815	End	23033
GI	6630696	Score	153
Exons	22815..23033		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22881	Strand	-
Start	223	End	1668
Name	OJ990430_21.9910.C7.o1.np	Method	AAT/NAP
Start	223	End	1668
GI	5852180	Score	392
Exons	223..596, 1594..1668		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22881	Strand	-
Start	223	End	1668
Name	OJ990430_21.9910.C7.o1.gp	Method	AAT/GAP
Start	766	End	832
GI	uC-osroM202024h08a1	Score	88
Exons	766..832		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22882	Strand	-
Start	1953	End	2212
Name	OJ990430_21.9910.C7.o2.gp	Method	AAT/GAP
Start	1953	End	2212
GI	61605_3.R1084	Score	462
Exons	1953..2212		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22883	Strand	-
Start	7206	End	11142
Name	OJ990430_21.9910.C7.o3.np	Method	AAT/NAP
Start	7206	End	10167
GI	6635860	Score	439
Exons	7206..7309, 7697..7803, 8293..8406, 9388..9466, 9596..9684, 9988..10167		
GI Descrip.	(AF216313) cytochrome P450 [Helianthus annuus]		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22883	Strand	-
Start	7206	End	11142
Name	OJ990430_21.9910.C7.o3.gs	Method	GENSCAN
Start	8309	End	11142
GI	none	Score	.49
Exons	8309..8406, 9388..9466, 9595..9684, 9988..10242, 10607..10658, 10985..11142		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22884	Strand	-
Start	18214	End	21451
Name	OJ990430_21.9910.C7.o5.gs	Method	GENSCAN
Start	18214	End	21451
GI	none	Score	.75
Exons	18214..18662, 18735..18839, 18912..19101, 19177..19364, 19439..20168, 20255..20382, 20412..20573, 20739..20843, 20994..21274, 21396..21451		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22884	Strand	-
Start	18214	End	21451
Name	OJ990430_21.9910.C7.o5.np	Method	AAT/NAP
Start	18217	End	21123
GI	6691716	Score	2307
Exons	18217..18662, 18735..18839, 18990..19101, 19177..19355, 19532..19797, 19879..20071, 20269..21123		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o4.tm	Method	TBLASTX:Maize
Start	2965	End	3808

GI	none	Score	171
Exons	2965..3279, 3066..3281, 3378..3545, 3559..3639, 3692..3808		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o6.tm	Method	TBLASTX:Maize
Start	4250	End	5595
GI	none	Score	43
Exons	4250..4285, 4412..4531, 4628..4762, 5236..5295, 5284..5595		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o7.tw	Method	TBLASTX:Wheat
Start	13089	End	13491
GI	none	Score	285
Exons	13089..13358, 13090..13491		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o6.tw	Method	TBLASTX:Wheat
Start	14068	End	14525
GI	none	Score	149
Exons	14068..14244, 14289..14525, 14293..14523		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o1.tw	Method	TBLASTX:Wheat
Start	14745	End	15201
GI	none	Score	496
Exons	14745..15200, 14746..15201		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o3.ts	Method	TBLASTX:Soybean
Start	14785	End	15150
GI	none	Score	138
Exons	14785..15009, 15016..15150		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o2.tm	Method	TBLASTX:Maize
Start	14875	End	15231
GI	none	Score	374
Exons	14875..15231, 14916..15221		

Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o2.tw	Method	TBLASTX:Wheat
Start	15316	End	15740
GI	none	Score	446

Exons	15316..15735, 15360..15740, 15381..15740		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o1.ts	Method	TBLASTX:Soybean
Start	15394	End	15795
GI	none	Score	313
Exons	15394..15795, 15411..15554		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o3.tm	Method	TBLASTX:Maize
Start	15462	End	15906
GI	none	Score	270
Exons	15462..15716, 15463..15717, 15738..15869, 15739..15882, 15880..15906		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o8.tw	Method	TBLASTX:Wheat
Start	15744	End	16026
GI	none	Score	274
Exons	15744..15821, 15745..16026, 15754..16014		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o2.ts	Method	TBLASTX:Soybean
Start	16021	End	16409
GI	none	Score	86
Exons	16021..16125, 16029..16409, 16165..16407		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o4.tw	Method	TBLASTX:Wheat
Start	16027	End	16452
GI	none	Score	414
Exons	16027..16383, 16030..16452, 16038..16442		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o7.tm	Method	TBLASTX:Maize
Start	16282	End	16536
GI	none	Score	193
Exons	16282..16536		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o10.tw	Method	TBLASTX:Wheat
Start	16468	End	16767
GI	none	Score	129

Exons	16468..16602, 16627..16767		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o1.tm	Method	TBLASTX:Maize
Start	16764	End	17127
GI	none	Score	446
Exons	16764..17075, 16765..17088, 17079..17126, 17080..17127		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o3.tw	Method	TBLASTX:Wheat
Start	16770	End	17157
GI	none	Score	418
Exons	16770..17081, 16771..17157, 16972..17157		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o8.tm	Method	TBLASTX:Maize
Start	17229	End	17502
GI	none	Score	89
Exons	17229..17336, 17230..17328, 17319..17393, 17323..17406, 17416..17502		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o5.tw	Method	TBLASTX:Wheat
Start	17272	End	17886
GI	none	Score	276
Exons	17272..17550, 17427..17534, 17605..17763, 17749..17886		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o5.tm	Method	TBLASTX:Maize
Start	17614	End	17849
GI	none	Score	152
Exons	17614..17766, 17745..17849, 17746..17847		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o9.tw	Method	TBLASTX:Wheat
Start	20713	End	21003
GI	none	Score	205
Exons	20713..21003		
Seq. No.	10751	Seq. ID	OJ990430_21.9910.C7
Gene No.	22885	Strand	-
Start	23447	End	24901
Name	OJ990430_21.9910.C7.o6.gs	Method	GENSCAN
Start	23447	End	24901
GI	none	Score	.73

Exons	23447..23512, 24752..24901		
Seq. No.	10752	Seq. ID	OJ990430_21.9910.C8
Gene No.	22886	Strand	+
Start	6072	End	13597
Name	OJ990430_21.9910.C8.o3.tm	Method	TBLASTX:Maize
Start	2339	End	2540
GI	none	Score	137
Exons	2339..2539, 2340..2540, 2382..2540		
Seq. No.	10752	Seq. ID	OJ990430_21.9910.C8
Gene No.	22886	Strand	+
Start	6072	End	13597
Name	OJ990430_21.9910.C8.o2.gs	Method	GENSCAN
Start	6072	End	12662
GI	none	Score	.43
Exons	6072..6189, 6293..6385, 6852..7016, 7999..8084, 9121..9251, 9417..9590, 9758..9861, 10760..11615, 12311..12443, 12471..12662		
Seq. No.	10752	Seq. ID	OJ990430_21.9910.C8
Gene No.	22886	Strand	+
Start	6072	End	13597
Name	OJ990430_21.9910.C8.o1.gp	Method	AAT/GAP
Start	10658	End	11169
GI	uC-osf1M202052c07b1	Score	991
Exons	10658..11169		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		
Seq. No.	10752	Seq. ID	OJ990430_21.9910.C8
Gene No.	22886	Strand	+
Start	6072	End	13597
Name	OJ990430_21.9910.C8.o1.np	Method	AAT/NAP
Start	10768	End	13597
GI	4234852	Score	1508
Exons	10768..10944, 10978..13597		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	10752	Seq. ID	OJ990430_21.9910.C8
Gene No.	22886	Strand	+
Start	6072	End	13597
Name	OJ990430_21.9910.C8.o1.tm	Method	TBLASTX:Maize
Start	10861	End	11800
GI	none	Score	473
Exons	10861..11439, 10983..11429, 11185..11463, 11720..11800		
Seq. No.	10752	Seq. ID	OJ990430_21.9910.C8
Gene No.	22886	Strand	+
Start	6072	End	13597
Name	OJ990430_21.9910.C8.o2.gp	Method	AAT/GAP
Start	11401	End	11961
GI	uC-osflcyp006a10b1	Score	781
Exons	11401..11615, 11723..11961		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		
Seq. No.	10752	Seq. ID	OJ990430_21.9910.C8
Gene No.	22886	Strand	+
Start	6072	End	13597

Name	OJ990430_21.9910.C8.o1.ts	Method	TBLASTX:Soybean
Start	12733	End	13147
GI	5509260	Score	322
Exons	12733..13086, 12734..13147		
GI Descrip.	-		

Seq. No.	10752	Seq. ID	OJ990430_21.9910.C8
Gene No.	22886	Strand	+
Start	6072	End	13597
Name	OJ990430_21.9910.C8.o2.tm	Method	TBLASTX:Maize
Start	12733	End	13033
GI	none	Score	263
Exons	12733..13032, 12734..13033		

Seq. No.	10752	Seq. ID	OJ990430_21.9910.C8
Gene No.	22886	Strand	+
Start	6072	End	13597
Name	OJ990430_21.9910.C8.o1.tc	Method	TBLASTX:Cress
Start	12812	End	13072
GI	none	Score	246
Exons	12812..13072, 12814..13050		

Seq. No.	10752	Seq. ID	OJ990430_21.9910.C8
Gene No.	22886	Strand	+
Start	6072	End	13597
Name	OJ990430_21.9910.C8.o1.tw	Method	TBLASTX:Wheat
Start	12853	End	13596
GI	none	Score	298
Exons	12853..13143, 12854..13147, 13006..13155, 13143..13226, 13233..13427, 13269..13406, 13431..13541, 13540..13596		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22887	Strand	+
Start	905	End	1169
Name	OJ990520_13.9922.C1.o1.gs	Method	GENSCAN
Start	905	End	1169
GI	none	Score	.48
Exons	905..952, 1152..1169		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22888	Strand	-
Start	182	End	4036
Name	OJ990520_13.9922.C1.o1.np	Method	AAT/NAP
Start	182	End	3991
GI	400578	Score	128
Exons	182..215, 1816..1949, 2403..2494, 3767..3991		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 18 KD SUBUNIT PRECURSOR (COMPLEX I-18 KD) (CI-18 KD) (COMPLEX I-AQDQ) (CI-AQDQ) gi|346531|pir||S28240 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain CI-18(IP) - bovine gi|226|emb|CAA44900| (X63215) NADH dehydrogenase [Bos taurus]		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22888	Strand	-
Start	182	End	4036
Name	OJ990520_13.9922.C1.o1.gp	Method	AAT/GAP
Start	1116	End	4036

GI	12352_1.R1084	Score	946
Exons	1116..1145, 1820..1949, 2403..2491, 3767..4036		
GI Descrip.	'400578/sp|Q02375|NUYM_BOVIN 3.0e-24 NADH-UBIQUINONE OXIDOREDUCTASE 18 KD SUBUNIT PRECURSOR (COMPLEX I-18 KD) (CI-18 KD) (COMPLEX I-AQDQ) (CI-AQDQ) >gi_346531_pir__S28240 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain CI-18(IP) - bovine >gi_226_emb_CAA44900_ (X63215) NADH dehydrogenase [Bos taurus]'		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22888	Strand	-
Start	182	End	4036
Name	OJ990520_13.9922.C1.o2.gs	Method	GENSCAN
Start	1463	End	3937
GI	none	Score	.63
Exons	1463..1489, 1820..2026, 3767..3937		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22889	Strand	-
Start	10630	End	13813
Name	OJ990520_13.9922.C1.o2.gp	Method	AAT/GAP
Start	10533	End	12193
GI	2311257	Score	652
Exons	10533..10635, 10937..11110, 12116..12193		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22889	Strand	-
Start	10630	End	13813
Name	OJ990520_13.9922.C1.o4.gs	Method	GENSCAN
Start	10630	End	13813
GI	none	Score	.93
Exons	10630..10635, 10937..11110, 12116..12275, 13043..13187, 13276..13813		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22889	Strand	-
Start	10630	End	13813
Name	OJ990520_13.9922.C1.o3.np	Method	AAT/NAP
Start	10934	End	13810
GI	6520227	Score	636
Exons	10934..11110, 12116..12275, 13043..13187, 13294..13810		
GI Descrip.	(AB028230) ZCW7 [Arabidopsis thaliana]		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	1813	End	4001
GI	none	Score	91
Exons	1813..1881, 1818..1949, 1818..1949, 1826..1969, 1924..1953, 2397..2498, 2399..2494, 2401..2529, 3752..3880, 3762..3878, 3872..3952, 3873..4001, 3891..3962, 3916..3966		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o2.tc	Method	TBLASTX:Cress
Start	1815	End	3857

GI	none	Score	121
Exons	1815..1949, 1826..1951, 2397..2498, 2399..2494, 3725..3829, 3765..3857		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o3.ts	Method	TBLASTX:Soybean
Start	1815	End	3868
GI	none	Score	141
Exons	1815..1949, 1826..1969, 2397..2492, 2399..2494, 3752..3868, 3762..3839		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o4.tm	Method	TBLASTX:Maize
Start	10923	End	12203
GI	none	Score	77
Exons	10923..10985, 10924..11004, 10937..11005, 10997..11113, 10998..11126, 12109..12198, 12109..12198, 12110..12199, 12114..12203, 12116..12202		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o5.gs	Method	GENSCAN
Start	15733	End	17791
GI	none	Score	.85
Exons	15733..16048, 16069..16409, 16935..17104, 17206..17418, 17503..17791		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	15759	End	22452
GI	none	Score	152
Exons	15759..15968, 15798..16049, 15805..15975, 21970..22095, 21973..22113, 21981..22181, 22202..22231, 22311..22343, 22312..22347, 22345..22452, 22347..22451		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	15798	End	22181
GI	none	Score	97
Exons	15798..15929, 15814..15930, 15933..16028, 21978..22112, 21985..22113, 22116..22181		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o4.np	Method	AAT/NAP
Start	15815	End	25095
GI	6724047	Score	929

Exons	15815..16048, 22313..22583, 23043..23214, 23313..23543, 24863..25095
GI Descrip.	Human T-cell lymphotropic virus type 1 Cam from French Guiana tax protein (tax) gene, partial cds; and 3' long terminal repeat, complete sequence gi|6724049|gb|AF063820.1|AF063820 Human T-cell lymphotropic virus type 1 Nar from French Guiana tax protein (tax) gene, partial cds; and 3' long terminal repeat, complete sequence gi|6724051|gb|AF063821.1|AF063821 Human

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	16161	End	25024
GI	none	Score	111
Exons	16161..16316, 16323..16415, 16935..17105, 16948..17106, 17219..17284, 17315..17428, 17498..17602, 17576..17659, 17577..17657, 22335..22481, 22336..22485, 22480..22584, 22497..22610, 23043..23213, 23044..23214, 23408..23539, 23421..23531, 24868..24951, 24872..24940, 24940..25023, 24941..25024		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	16335	End	23437
GI	none	Score	99
Exons	16335..16391, 16935..17102, 16935..17105, 16936..17106, 17204..17335, 17206..17325, 17207..17326, 22509..22565, 23043..23213, 23044..23217, 23116..23226, 23306..23437, 23308..23424, 23309..23425, 23340..23435		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	16935	End	23207
GI	none	Score	159
Exons	16935..17063, 16936..17064, 17067..17099, 23043..23168, 23043..23171, 23044..23172, 23175..23207		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	16999	End	25023
GI	none	Score	88
Exons	16999..17106, 17001..17105, 17204..17428, 17498..17659, 17505..17660, 23109..23213, 23294..23539, 23352..23540, 24868..25023, 24869..25018		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o6.gs	Method	GENSCAN

Start	20643	End	25116
GI	none	Score	.63
Exons	20643..20738, 21871..22184, 22313..22583, 23043..23212, 23308..23520, 24867..25116		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o3.gp	Method	AAT/GAP
Start	22293	End	23633
GI	23082_1.R1084	Score	1173
Exons	22293..22583, 23043..23212, 23308..23520, 23596..23633		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 9.0e-11 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	10753	Seq. ID	OJ990520_13.9922.C1
Gene No.	22890	Strand	-
Start	15733	End	25203
Name	OJ990520_13.9922.C1.o4.gp	Method	AAT/GAP
Start	24881	End	25203
GI	2442759	Score	613
Exons	24881..25203		
GI Descrip.	5295936/dbj|AB026295.2|AB026295 9.0e-11 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence		

Seq. No.	10754	Seq. ID	OJ990520_13.9922.C2
Gene No.	22891	Strand	+
Start	125	End	1033
Name	OJ990520_13.9922.C2.o1.gs	Method	GENSCAN
Start	125	End	1033
GI	none	Score	.77
Exons	125..139, 224..676, 686..835, 884..1033		

Seq. No.	10754	Seq. ID	OJ990520_13.9922.C2
Gene No.	22892	Strand	-
Start	526	End	894
Name	OJ990520_13.9922.C2.o1.np	Method	AAT/NAP
Start	526	End	894
GI	2979551	Score	86
Exons	526..722, 800..894		
GI Descrip.	(AC003680) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	10755	Seq. ID	OJ990520_13.9922.C3
Gene No.	22893	Strand	+
Start	149	End	265
Name	OJ990520_13.9922.C3.o1.gs	Method	GENSCAN
Start	149	End	265
GI	none	Score	.42
Exons	149..265		

Seq. No.	10755	Seq. ID	OJ990520_13.9922.C3
Gene No.	22894	Strand	-
Start	1532	End	1622
Name	OJ990520_13.9922.C3.o1.gp	Method	AAT/GAP
Start	1532	End	1622
GI	3760640	Score	105
Exons	1532..1622		

GI Descrip. 4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22895	Strand	+
Start	514	End	11975
Name	OJ990520_13.9922.C4.o1.gs	Method	GENSCAN
Start	514	End	11683
GI	none	Score	.54
Exons	514..577, 1665..1710, 2443..2594, 5012..5148, 5153..5229, 5351..5528, 5642..5731, 7120..7203, 7332..7550, 9349..9747, 9872..10082, 10166..10212, 10489..10653, 10794..10891, 11359..11683		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22895	Strand	+
Start	514	End	11975
Name	OJ990520_13.9922.C4.o1.gp	Method	AAT/GAP
Start	620	End	682
GI	LIB3477-003-P1-K1-E9	Score	85
Exons	620..682		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22895	Strand	+
Start	514	End	11975
Name	OJ990520_13.9922.C4.o2.np	Method	AAT/NAP
Start	5604	End	11686
GI	4567278	Score	1880
Exons	5604..5731, 7120..7203, 7332..7550, 8413..8514, 9349..9792, 9872..10101, 10289..10382, 10471..10653, 10794..11000, 11275..11686		

GI Descrip. (AC006841) putative ubiquitin activating enzyme [Arabidopsis thaliana]

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22895	Strand	+
Start	514	End	11975
Name	OJ990520_13.9922.C4.o2.gp	Method	AAT/GAP
Start	9482	End	10637
GI	3760214	Score	1476
Exons	9482..9792, 9872..10101, 10289..10382, 10471..10637		

GI Descrip. 4567278/gb|AAD23691.1|AC006841_19 1.0e-99 (AC006841) putative anthracycline associated resistance ARX protein [Arabidopsis thaliana]

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22895	Strand	+
Start	514	End	11975
Name	OJ990520_13.9922.C4.o3.gp	Method	AAT/GAP
Start	10769	End	11975
GI	3760215	Score	1315
Exons	10769..10891, 11371..11975		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4

Gene No.	22896	Strand	-
Start	2141	End	5590
Name	OJ990520_13.9922.C4.o1.np	Method	AAT/NAP
Start	2141	End	5590
GI	6815109	Score	197
Exons	2141..2179, 4531..4720, 5417..5590		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22897	Strand	-
Start	13146	End	13469
Name	OJ990520_13.9922.C4.o2.gs	Method	GENSCAN
Start	13146	End	13469
GI	none	Score	.73
Exons	13146..13469		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22898	Strand	-
Start	14744	End	17322
Name	OJ990520_13.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	7443	End	11509
GI	none	Score	186
Exons	7443..7556, 7447..7551, 8409..8522, 8410..8493, 8494..8526, 9239..9286, 9343..9798, 9348..9794, 9845..10102, 9849..10004, 9869..10099, 10274..10378, 10275..10376, 10278..10382, 10280..10396, 10288..10383, 10444..10659, 10453..10653, 10785..10892, 10791..10919, 11312..11509, 11366..11506		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22898	Strand	-
Start	14744	End	17322
Name	OJ990520_13.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	8409	End	9657
GI	none	Score	182
Exons	8409..8525, 8410..8526, 8410..8526, 9343..9465, 9346..9429, 9348..9497, 9409..9657, 9458..9646, 9462..9647		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22898	Strand	-
Start	14744	End	17322
Name	OJ990520_13.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	9333	End	11485
GI	none	Score	95
Exons	9333..9443, 9333..9473, 9334..9468, 9347..9487, 9445..9648, 9461..9649, 9462..9650, 9622..9798, 9666..9794, 9848..10102, 9869..10099, 10283..10390, 10284..10382, 10288..10386, 10447..10593, 10470..10580, 10623..10658, 10785..10892, 10796..10891, 11363..11434, 11366..11485		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22898	Strand	-
Start	14744	End	17322
Name	OJ990520_13.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	9869	End	10587
GI	none	Score	303
Exons	9869..10102, 9869..10087, 10284..10391, 10286..10381, 10453..10587, 10485..10577		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22898	Strand	-
Start	14744	End	17322
Name	OJ990520_13.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	11511	End	11934
GI	none	Score	88
Exons	11511..11585, 11513..11587, 11588..11644, 11589..11684, 11699..11782, 11700..11783, 11851..11934, 11853..11933		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22898	Strand	-
Start	14744	End	17322
Name	OJ990520_13.9922.C4.o4.gp	Method	AAT/GAP
Start	14674	End	15116
GI	uC-osflcyp122a06b1	Score	839
Exons	14674..15116		
GI Descrip.	'3550436/emb|CAA04677| 1.0e-29 (AJ001317) putative transcription repressor HOTR [Hordeum vulgare]'		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22898	Strand	-
Start	14744	End	17322
Name	OJ990520_13.9922.C4.o3.gs	Method	GENSCAN
Start	14744	End	17068
GI	none	Score	.41
Exons	14744..16147, 16694..17068		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22898	Strand	-
Start	14744	End	17322
Name	OJ990520_13.9922.C4.o3.np	Method	AAT/NAP
Start	14747	End	17322
GI	3550436	Score	1590
Exons	14747..15136, 15338..16147, 16694..17072, 17246..17322		
GI Descrip.	(AJ001317) putative transcription repressor HOTR [Hordeum vulgare]		

Seq. No.	10756	Seq. ID	OJ990520_13.9922.C4
Gene No.	22898	Strand	-
Start	14744	End	17322
Name	OJ990520_13.9922.C4.o3.tc	Method	TBLASTX:Cress
Start	15860	End	16302
GI	none	Score	51
Exons	15860..15898, 15860..15898, 15882..15974, 15938..16012, 15941..16003, 15998..16180, 16009..16302, 16010..16156, 16083..16181		

Seq. No.	10757	Seq. ID	OJ990520_13.9922.C5
Gene No.	22899	Strand	+
Start	9095	End	9181
Name	OJ990520_13.9922.C5.o2.gp	Method	AAT/GAP
Start	9095	End	9181
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	9095..9181		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza		

sativa]'

Seq. No.	10757	Seq. ID	OJ990520_13.9922.C5
Gene No.	22900	Strand	+
Start	23522	End	25330
Name	OJ990520_13.9922.C5.o2.np	Method	AAT/NAP
Start	23522	End	25330
GI	4468990	Score	1137
Exons	23522..23629, 23741..24033, 24060..24888, 24916..25330		
GI Descrip.	(AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	10757	Seq. ID	OJ990520_13.9922.C5
Gene No.	22901	Strand	-
Start	6253	End	7019
Name	OJ990520_13.9922.C5.o1.np	Method	AAT/NAP
Start	6253	End	7019
GI	4755196	Score	246
Exons	6253..6309, 6349..6822, 6965..7019		
GI Descrip.	(AC007018) unknown protein [Arabidopsis thaliana]		

Seq. No.	10757	Seq. ID	OJ990520_13.9922.C5
Gene No.	22901	Strand	-
Start	6253	End	7019
Name	OJ990520_13.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	6356	End	6826
GI	none	Score	116
Exons	6356..6433, 6500..6589, 6602..6745, 6731..6826		

Seq. No.	10757	Seq. ID	OJ990520_13.9922.C5
Gene No.	22901	Strand	-
Start	6253	End	7019
Name	OJ990520_13.9922.C5.o1.gp	Method	AAT/GAP
Start	6717	End	6957
GI	2311724	Score	443
Exons	6717..6957		

Seq. No.	10757	Seq. ID	OJ990520_13.9922.C5
Gene No.	22902	Strand	
Start	24104	End	25342
Name	OJ990520_13.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	24104	End	24481
GI	none	Score	352
Exons	24104..24409, 24112..24411, 24449..24481		

Seq. No.	10757	Seq. ID	OJ990520_13.9922.C5
Gene No.	22902	Strand	
Start	24104	End	25342
Name	OJ990520_13.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	24178	End	24895
GI	none	Score	138
Exons	24178..24294, 24179..24298, 24286..24405, 24287..24409, 24449..24532, 24454..24495, 24598..24663, 24602..24685, 24788..24895		

Seq. No.	10757	Seq. ID	OJ990520_13.9922.C5
Gene No.	22902	Strand	
Start	24104	End	25342

Name	OJ990520_13.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	24772	End	25334
GI	none	Score	193
Exons	24772..24795, 24773..24904, 24851..24886, 24911..25330, 24943..25329, 25266..25334		

Seq. No.	10757	Seq. ID	OJ990520_13.9922.C5
Gene No.	22902	Strand	
Start	24104	End	25342
Name	OJ990520_13.9922.C5.o2.tc	Method	TBLASTX:Cress
Start	25061	End	25327
GI	none	Score	123
Exons	25061..25171, 25151..25213, 25268..25327		

Seq. No.	10757	Seq. ID	OJ990520_13.9922.C5
Gene No.	22902	Strand	
Start	24104	End	25342
Name	OJ990520_13.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	25151	End	25342
GI	none	Score	122
Exons	25151..25240, 25169..25240, 25235..25324, 25262..25342		

Seq. No.	10758	Seq. ID	OJ990520_13.9922.C6
Gene No.	22903	Strand	-
Start	215	End	284
Name	OJ990520_13.9922.C6.o1.gs	Method	GENSCAN
Start	215	End	284
GI	none	Score	.93
Exons	215..284		

Seq. No.	10759	Seq. ID	OJ990520_13.9922.C9
Gene No.	22904	Strand	-
Start	267	End	336
Name	OJ990520_13.9922.C9.o1.gs	Method	GENSCAN
Start	267	End	336
GI	none	Score	.92
Exons	267..336		

Seq. No.	10760	Seq. ID	OJ990520_13.9922.C10
Gene No.	22905	Strand	+
Start	957	End	1143
Name	OJ990520_13.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	941	End	1143
GI	none	Score	168
Exons	941..1069, 954..1070, 1062..1130, 1063..1137, 1063..1143		

Seq. No.	10760	Seq. ID	OJ990520_13.9922.C10
Gene No.	22905	Strand	+
Start	957	End	1143
Name	OJ990520_13.9922.C10.o1.gp	Method	AAT/GAP
Start	957	End	1133
GI	2311257	Score	308
Exons	957..1133		

Seq. No.	10760	Seq. ID	OJ990520_13.9922.C10
Gene No.	22905	Strand	+
Start	957	End	1143

Name	OJ990520_13.9922.C10.o1.gs	Method	GENSCAN
Start	957	End	1130
GI	none	Score	.98
Exons	957..1130		

Seq. No.	10761	Seq. ID	OJ990520_13.9922.C12
Gene No.	22906	Strand	-
Start	1	End	732
Name	OJ990520_13.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	732
GI	6724047	Score	167
Exons	1..86, 613..732		
GI Descrip.	Human T-cell lymphotropic virus type 1 Cam from French Guiana tax protein (tax) gene, partial cds; and 3' long terminal repeat, complete sequence gi|6724049|gb|AF063820.1|AF063820 Human T-cell lymphotropic virus type 1 Nar from French Guiana tax protein (tax) gene, partial cds; and 3' long terminal repeat, complete sequence gi|6724051|gb|AF063821.1|AF063821 Human		

Seq. No.	10761	Seq. ID	OJ990520_13.9922.C12
Gene No.	22906	Strand	-
Start	1	End	732
Name	OJ990520_13.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	611	End	732
GI	none	Score	142
Exons	611..730, 613..732, 614..730		

Seq. No.	10761	Seq. ID	OJ990520_13.9922.C12
Gene No.	22906	Strand	-
Start	1	End	732
Name	OJ990520_13.9922.C12.o1.gs	Method	GENSCAN
Start	613	End	696
GI	none	Score	.87
Exons	613..696		

Seq. No.	10762	Seq. ID	OJ990520_13.9922.C13
Gene No.	22907	Strand	-
Start	388	End	1726
Name	OJ990520_13.9922.C13.o1.gs	Method	GENSCAN
Start	388	End	1726
GI	none	Score	.51
Exons	388..647, 664..809, 1683..1726		

Seq. No.	10763	Seq. ID	OJ990520_13.9922.C15
Gene No.	22908	Strand	+
Start	484	End	723
Name	OJ990520_13.9922.C15.o1.gs	Method	GENSCAN
Start	484	End	723
GI	none	Score	.7
Exons	484..723		

Seq. No.	10763	Seq. ID	OJ990520_13.9922.C15
Gene No.	22909	Strand	-
Start	1	End	900
Name	OJ990520_13.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	900

GI	6520227	Score	178
Exons	1..68, 534..687, 793..900		
GI Descrip.	(AB028230) ZCW7 [Arabidopsis thaliana]		

Seq. No.	10764	Seq. ID	OJ990520_13.9922.C16
Gene No.	22910	Strand	+
Start	1	End	391
Name	OJ990520_13.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	318
GI	3550436	Score	280
Exons	1..318		
GI Descrip.	(AJ001317) putative transcription repressor HOTR [Hordeum vulgare]		

Seq. No.	10764	Seq. ID	OJ990520_13.9922.C16
Gene No.	22910	Strand	+
Start	1	End	391
Name	OJ990520_13.9922.C16.o1.gp	Method	AAT/GAP
Start	44	End	391
GI	uC-osflcyp122a06b1	Score	650
Exons	44..391		
GI Descrip.	'3550436/emb|CAA04677| 1.0e-29 (AJ001317) putative transcription repressor HOTR [Hordeum vulgare]'		

Seq. No.	10764	Seq. ID	OJ990520_13.9922.C16
Gene No.	22910	Strand	+
Start	1	End	391
Name	OJ990520_13.9922.C16.o1.gs	Method	GENSCAN
Start	53	End	321
GI	none	Score	.65
Exons	53..321		

Seq. No.	10765	Seq. ID	OJ990520_13.9922.C18
Gene No.	22911	Strand	+
Start	62	End	453
Name	OJ990520_13.9922.C18.o1.gs	Method	GENSCAN
Start	62	End	453
GI	none	Score	.54
Exons	62..151, 305..453		

Seq. No.	10766	Seq. ID	OJ990520_13.9922.C21
Gene No.	22912	Strand	+
Start	1	End	330
Name	OJ990520_13.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	271
GI	3482914	Score	153
Exons	1..97, 125..271		
GI Descrip.	(AC003970) Similar to nodulins and lipase [Arabidopsis thaliana]		

Seq. No.	10766	Seq. ID	OJ990520_13.9922.C21
Gene No.	22912	Strand	+
Start	1	End	330
Name	OJ990520_13.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	14	End	304
GI	none	Score	354
Exons	14..265, 88..258, 95..304		

Seq. No.	10766	Seq. ID	OJ990520_13.9922.C21
Gene No.	22912	Strand	+
Start	1	End	330
Name	OJ990520_13.9922.C21.o1.ts	Method	TBLASTX:Soybean
Start	35	End	265
GI	none	Score	93
Exons	35..130, 133..249, 134..265		

Seq. No.	10766	Seq. ID	OJ990520_13.9922.C21
Gene No.	22912	Strand	+
Start	1	End	330
Name	OJ990520_13.9922.C21.o1.gs	Method	GENSCAN
Start	76	End	330
GI	none	Score	.85
Exons	76..330		

Seq. No.	10767	Seq. ID	OJ990520_13.9922.C22
Gene No.	22913	Strand	-
Start	166	End	245
Name	OJ990520_13.9922.C22.o1.gs	Method	GENSCAN
Start	166	End	245
GI	none	Score	.56
Exons	166..245		

Seq. No.	10768	Seq. ID	OJ990520_13.9922.C23
Gene No.	22914	Strand	+
Start	1	End	822
Name	OJ990520_13.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	822
GI	4567278	Score	379
Exons	1..45, 179..262, 391..625, 796..822		
GI Descrip.	(AC006841) putative ubiquitin activating enzyme [Arabidopsis thaliana]		

Seq. No.	10768	Seq. ID	OJ990520_13.9922.C23
Gene No.	22914	Strand	+
Start	1	End	822
Name	OJ990520_13.9922.C23.o2.tm	Method	TBLASTX:Maize
Start	145	End	268
GI	none	Score	120
Exons	145..264, 146..268, 166..264		

Seq. No.	10768	Seq. ID	OJ990520_13.9922.C23
Gene No.	22914	Strand	+
Start	1	End	822
Name	OJ990520_13.9922.C23.o1.gs	Method	GENSCAN
Start	179	End	609
GI	none	Score	.95
Exons	179..262, 391..609		

Seq. No.	10768	Seq. ID	OJ990520_13.9922.C23
Gene No.	22914	Strand	+
Start	1	End	822
Name	OJ990520_13.9922.C23.o1.tm	Method	TBLASTX:Maize
Start	502	End	615
GI	none	Score	186
Exons	502..615, 506..610		

Seq. No.	10769	Seq. ID	OJ990520_13.9922.C24
Gene No.	22915	Strand	-
Start	1	End	495
Name	OJ990520_13.9922.C24.o1.gp	Method	AAT/GAP
Start	1	End	451
GI	3760215	Score	848
Exons	1..451		

Seq. No.	10769	Seq. ID	OJ990520_13.9922.C24
Gene No.	22915	Strand	-
Start	1	End	495
Name	OJ990520_13.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	30	End	495
GI	none	Score	100
Exons	30..113, 31..114, 129..224, 169..225, 226..447, 228..446, 228..476, 274..495		

Seq. No.	10769	Seq. ID	OJ990520_13.9922.C24
Gene No.	22915	Strand	-
Start	1	End	495
Name	OJ990520_13.9922.C24.o1.gs	Method	GENSCAN
Start	130	End	454
GI	none	Score	.47
Exons	130..454		

Seq. No.	10770	Seq. ID	OJ990420_11.9923.C2
Gene No.	22916	Strand	-
Start	1	End	483
Name	OJ990420_11.9923.C2.o1.np	Method	AAT/NAP
Start	1	End	440
GI	2792220	Score	176
Exons	1..440		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	10770	Seq. ID	OJ990420_11.9923.C2
Gene No.	22916	Strand	-
Start	1	End	483
Name	OJ990420_11.9923.C2.o1.gs	Method	GENSCAN
Start	108	End	483
GI	none	Score	.47
Exons	108..483		

Seq. No.	10771	Seq. ID	OJ990420_11.9923.C5
Gene No.	22917	Strand	-
Start	78	End	178
Name	OJ990420_11.9923.C5.o1.gs	Method	GENSCAN
Start	78	End	178
GI	none	Score	.94
Exons	78..178		

Seq. No.	10772	Seq. ID	OJ990420_11.9923.C6
Gene No.	22918	Strand	-
Start	1	End	493
Name	OJ990420_11.9923.C6.o1.np	Method	AAT/NAP
Start	1	End	493
GI	5042463	Score	124

Exons 1..164, 261..493
GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. No. 10773 Seq. ID OJ990420_11.9923.C10
Gene No. 22919 Strand +
Start 50 End 121
Name OJ990420_11.9923.C10.o1.gs Method GENSCAN
Start 50 End 121
GI none Score .65
Exons 50..121

Seq. No. 10773 Seq. ID OJ990420_11.9923.C10
Gene No. 22920 Strand +
Start 167 End 593
Name OJ990420_11.9923.C10.o1.gp Method AAT/GAP
Start 167 End 593
GI none Score 815
Exons 167..593

Seq. No. 10774 Seq. ID OJ990420_11.9923.C11
Gene No. 22921 Strand +
Start 157 End 339
Name OJ990420_11.9923.C11.o1.gs Method GENSCAN
Start 157 End 339
GI none Score .64
Exons 157..339

Seq. No. 10775 Seq. ID OJ990420_11.9923.C12
Gene No. 22922 Strand +
Start 1317 End 1499
Name OJ990420_11.9923.C12.o1.gs Method GENSCAN
Start 1317 End 1499
GI none Score .46
Exons 1317..1499

Seq. No. 10775 Seq. ID OJ990420_11.9923.C12
Gene No. 22923 Strand +
Start 5114 End 17148
Name OJ990420_11.9923.C12.o2.gs Method GENSCAN
Start 5114 End 17119
GI none Score .56
Exons 5114..5308, 9815..10100, 10440..10520, 10748..10837,
11240..11320, 11837..11890, 12177..12310, 13625..13738,
13823..13894, 13984..14034, 14298..14375, 14543..15367,
15743..16927, 17000..17119

Seq. No. 10775 Seq. ID OJ990420_11.9923.C12
Gene No. 22923 Strand +
Start 5114 End 17148
Name OJ990420_11.9923.C12.o1.np Method AAT/NAP
Start 14238 End 17148
GI 6539581 Score 2370
Exons 14238..14375, 14546..14998, 15104..16927, 17000..17148
GI Descrip. (AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]

Seq. No. 10775 Seq. ID OJ990420_11.9923.C12

Gene No.	22923	Strand	+
Start	5114	End	17148
Name	OJ990420_11.9923.C12.o1.tw	Method	TBLASTX:Wheat
Start	15095	End	15487
GI	none	Score	66
Exons	15095..15193, 15197..15487, 15350..15487		

Seq. No.	10775	Seq. ID	OJ990420_11.9923.C12
Gene No.	22923	Strand	+
Start	5114	End	17148
Name	OJ990420_11.9923.C12.o2.tm	Method	TBLASTX:Maize
Start	15098	End	15319
GI	none	Score	234
Exons	15098..15319, 15098..15175, 15157..15312		

Seq. No.	10775	Seq. ID	OJ990420_11.9923.C12
Gene No.	22923	Strand	+
Start	5114	End	17148
Name	OJ990420_11.9923.C12.o1.tc	Method	TBLASTX:Cress
Start	15275	End	15634
GI	none	Score	226
Exons	15275..15634, 15350..15496		

Seq. No.	10775	Seq. ID	OJ990420_11.9923.C12
Gene No.	22923	Strand	+
Start	5114	End	17148
Name	OJ990420_11.9923.C12.o1.tm	Method	TBLASTX:Maize
Start	15320	End	15703
GI	none	Score	288
Exons	15320..15703, 15353..15574		

Seq. No.	10775	Seq. ID	OJ990420_11.9923.C12
Gene No.	22923	Strand	+
Start	5114	End	17148
Name	OJ990420_11.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	15380	End	15922
GI	none	Score	368
Exons	15380..15922, 15380..15595, 15421..15669		

Seq. No.	10775	Seq. ID	OJ990420_11.9923.C12
Gene No.	22923	Strand	+
Start	5114	End	17148
Name	OJ990420_11.9923.C12.o2.tw	Method	TBLASTX:Wheat
Start	15553	End	15985
GI	none	Score	231
Exons	15553..15714, 15554..15985		

Seq. No.	10776	Seq. ID	OJ990420_11.9923.C13
Gene No.	22924	Strand	-
Start	501	End	5267
Name	OJ990420_11.9923.C13.o1.gs	Method	GENSCAN
Start	501	End	5267
GI	none	Score	.67
Exons	501..690, 959..1035, 1181..1279, 1361..1532, 1805..1836, 1918..2037, 2109..2222, 2309..2442, 3785..3836, 4096..4168, 5032..5140, 5207..5267		

Seq. No.	10776	Seq. ID	OJ990420_11.9923.C13
Gene No.	22924	Strand	-
Start	501	End	5267
Name	OJ990420_11.9923.C13.o1.np	Method	AAT/NAP
Start	553	End	1569
GI	6539580	Score	343
Exons	553..591, 998..1093, 1181..1264, 1361..1569		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	10777	Seq. ID	OJ990420_11.9923.C14
Gene No.	22925	Strand	+
Start	899	End	1540
Name	OJ990420_11.9923.C14.o1.gs	Method	GENSCAN
Start	899	End	1540
GI	none	Score	.54
Exons	899..1037, 1422..1540		

Seq. No.	10778	Seq. ID	OJ990420_11.9923.C15
Gene No.	22926	Strand	+
Start	114	End	1051
Name	OJ990420_11.9923.C15.o1.gs	Method	GENSCAN
Start	114	End	1051
GI	none	Score	.8
Exons	114..191, 885..1051		

Seq. No.	10778	Seq. ID	OJ990420_11.9923.C15
Gene No.	22927	Strand	-
Start	3620	End	3896
Name	OJ990420_11.9923.C15.o2.gs	Method	GENSCAN
Start	3620	End	3896
GI	none	Score	.59
Exons	3620..3753, 3827..3896		

Seq. No.	10779	Seq. ID	OJ990420_11.9923.C16
Gene No.	22928	Strand	+
Start	60	End	394
Name	OJ990420_11.9923.C16.o1.gs	Method	GENSCAN
Start	60	End	394
GI	none	Score	.48
Exons	60..394		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22929	Strand	+
Start	512	End	3331
Name	OJ990420_11.9923.C18.o1.np	Method	AAT/NAP
Start	512	End	3331
GI	3451070	Score	138
Exons	512..798, 2684..2708, 3113..3331		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22929	Strand	+
Start	512	End	3331
Name	OJ990420_11.9923.C18.o1.gs	Method	GENSCAN
Start	1508	End	3330
GI	none	Score	.96
Exons	1508..1612, 2309..2708, 3314..3330		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22929	Strand	+
Start	512	End	3331
Name	OJ990420_11.9923.C18.o1.gp	Method	AAT/GAP
Start	2309	End	2361
GI	none	Score	83
Exons	2309..2361		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22930	Strand	-
Start	5432	End	6890
Name	OJ990420_11.9923.C18.o3.tm	Method	TBLASTX:Maize
Start	2657	End	3242
GI	none	Score	61
Exons	2657..2707, 3068..3220, 3105..3242, 3106..3228		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22930	Strand	-
Start	5432	End	6890
Name	OJ990420_11.9923.C18.o1.tc	Method	TBLASTX:Cress
Start	5286	End	6684
GI	none	Score	152
Exons	5286..5321, 5404..5679, 5419..5679, 5432..5692, 5435..5680, 5547..5684, 5768..5923, 5770..5904, 5820..5969, 5875..5970, 5901..5969, 6513..6680, 6514..6684		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22930	Strand	-
Start	5432	End	6890
Name	OJ990420_11.9923.C18.o2.gp	Method	AAT/GAP
Start	5332	End	6871
GI	15042_3.R1084	Score	1300
Exons	5332..5677, 5770..5967, 6513..6679, 6790..6871		
GI Descrip.	'6094014/sp|O82528|RL15_PETHY 6.0e-84 60S RIBOSOMAL PROTEIN L15 >gi_3608479 (AF088912) ribosomal protein L15 [Petunia x hybrida]'		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22930	Strand	-
Start	5432	End	6890
Name	OJ990420_11.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	5357	End	5971
GI	none	Score	97
Exons	5357..5680, 5370..5492, 5377..5679, 5768..5926, 5768..5971, 5820..5969, 5869..5970		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22930	Strand	-
Start	5432	End	6890
Name	OJ990420_11.9923.C18.o1.ts	Method	TBLASTX:Soybean
Start	5432	End	6711
GI	none	Score	176
Exons	5432..5680, 5435..5680, 5469..5696, 5768..5926, 5770..5904, 5820..5969, 5869..5970, 5901..5969, 6513..6578, 6514..6600, 6582..6680, 6583..6711		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22930	Strand	-
Start	5432	End	6890
Name	OJ990420_11.9923.C18.o2.gs	Method	GENSCAN
Start	5432	End	6890
GI	none	Score	.8
Exons	5432..5677, 5770..5967, 6625..6679, 6790..6890		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22930	Strand	-
Start	5432	End	6890
Name	OJ990420_11.9923.C18.o2.np	Method	AAT/NAP
Start	5435	End	6683
GI	6094014	Score	923
Exons	5435..5677, 5770..5967, 6513..6683		
GI Descrip.	60S RIBOSOMAL PROTEIN L15 gi|3608479 (AF088912) ribosomal protein L15 [Petunia x hybrida]		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22930	Strand	-
Start	5432	End	6890
Name	OJ990420_11.9923.C18.o1.tw	Method	TBLASTX:Wheat
Start	5768	End	6714
GI	none	Score	246
Exons	5768..5926, 5768..5971, 5814..5969, 5869..5970, 6513..6680, 6514..6714, 6625..6699		

Seq. No.	10780	Seq. ID	OJ990420_11.9923.C18
Gene No.	22930	Strand	-
Start	5432	End	6890
Name	OJ990420_11.9923.C18.o2.tm	Method	TBLASTX:Maize
Start	6513	End	6739
GI	none	Score	283
Exons	6513..6680, 6514..6714, 6719..6739		

Seq. No.	10781	Seq. ID	OJ990420_11.9923.C19
Gene No.	22931	Strand	+
Start	784	End	2070
Name	OJ990420_11.9923.C19.o1.gs	Method	GENSCAN
Start	784	End	2070
GI	none	Score	.44
Exons	784..939, 1626..1776, 1895..2070		

Seq. No.	10781	Seq. ID	OJ990420_11.9923.C19
Gene No.	22932	Strand	-
Start	1937	End	5893
Name	OJ990420_11.9923.C19.o1.gp	Method	AAT/GAP
Start	1937	End	2604
GI	none	Score	1032
Exons	1937..2419, 2546..2604		

Seq. No.	10781	Seq. ID	OJ990420_11.9923.C19
Gene No.	22932	Strand	-
Start	1937	End	5893
Name	OJ990420_11.9923.C19.o2.gs	Method	GENSCAN
Start	2330	End	5893
GI	none	Score	.79

Exons	2330..2419, 2696..2780, 3627..3752, 3825..3868, 3952..4074, 4105..4291, 5835..5893		
Seq. No.	10781	Seq. ID	OJ990420_11.9923.C19
Gene No.	22932	Strand	-
Start	1937	End	5893
Name	OJ990420_11.9923.C19.o1.tm	Method	TBLASTX:Maize
Start	2708	End	4300
GI	none	Score	90
Exons	2708..2782, 2717..2779, 2718..2816, 2719..2817, 3600..3755, 3602..3754, 3816..3869, 3824..3904, 3827..3871, 3949..4074, 3953..4075, 3953..4075, 3963..4085, 3963..4085, 4133..4288, 4150..4296, 4151..4300		
Seq. No.	10781	Seq. ID	OJ990420_11.9923.C19
Gene No.	22932	Strand	-
Start	1937	End	5893
Name	OJ990420_11.9923.C19.o2.gp	Method	AAT/GAP
Start	3605	End	4294
GI	15905_1.R1084	Score	779
Exons	3605..3752, 3825..3868, 3952..4074, 4153..4294		
GI Descrip.	'3170570 3.0e-11 (AF058302) FrnE [Streptomyces roseofulvus]'		
Seq. No.	10781	Seq. ID	OJ990420_11.9923.C19
Gene No.	22932	Strand	-
Start	1937	End	5893
Name	OJ990420_11.9923.C19.o1.ts	Method	TBLASTX:Soybean
Start	3629	End	4306
GI	none	Score	62
Exons	3629..3727, 3630..3722, 3701..3754, 3702..3755, 3820..3855, 3824..3871, 3991..4068, 3992..4066, 4150..4284, 4154..4300, 4169..4306		
Seq. No.	10782	Seq. ID	OJ990420_11.9923.C20
Gene No.	22933	Strand	+
Start	116	End	1360
Name	OJ990420_11.9923.C20.o1.gs	Method	GENSCAN
Start	116	End	1360
GI	none	Score	.59
Exons	116..170, 413..662, 1234..1360		
Seq. No.	10782	Seq. ID	OJ990420_11.9923.C20
Gene No.	22934	Strand	-
Start	2170	End	3348
Name	OJ990420_11.9923.C20.o2.gs	Method	GENSCAN
Start	2170	End	3348
GI	none	Score	.86
Exons	2170..3348		
Seq. No.	10782	Seq. ID	OJ990420_11.9923.C20
Gene No.	22934	Strand	-
Start	2170	End	3348
Name	OJ990420_11.9923.C20.o2.np	Method	AAT/NAP
Start	2602	End	3245
GI	2852684	Score	174
Exons	2602..3245		
GI Descrip.	(AF017751) resistance protein candidate [Lactuca sativa]		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22935	Strand	+
Start	3036	End	6650
Name	OJ990420_11.9923.C21.o2.gs	Method	GENSCAN
Start	3036	End	6650
GI	none	Score	.47
Exons	3036..3476, 5543..5718, 6143..6273, 6544..6650		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22936	Strand	+
Start	11966	End	15231
Name	OJ990420_11.9923.C21.o4.gs	Method	GENSCAN
Start	11966	End	15231
GI	none	Score	.45
Exons	11966..12265, 14362..14506, 14972..15231		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22937	Strand	+
Start	15922	End	16134
Name	OJ990420_11.9923.C21.o5.gs	Method	GENSCAN
Start	15922	End	16134
GI	none	Score	.99
Exons	15922..16134		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22938	Strand	+
Start	16588	End	20177
Name	OJ990420_11.9923.C21.o2.np	Method	AAT/NAP
Start	16452	End	20177
GI	5922620	Score	751
Exons	16452..16491, 17749..17937, 18178..18340, 18388..18564, 18601..18686, 20047..20177		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22938	Strand	+
Start	16588	End	20177
Name	OJ990420_11.9923.C21.o6.gs	Method	GENSCAN
Start	16588	End	18457
GI	none	Score	.56
Exons	16588..16713, 17166..17190, 17502..17665, 17861..18134, 18222..18457		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22939	Strand	-
Start	1	End	1106
Name	OJ990420_11.9923.C21.o1.np	Method	AAT/NAP
Start	1	End	1106
GI	2792220	Score	385
Exons	1..1106		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22939	Strand	-
Start	1	End	1106
Name	OJ990420_11.9923.C21.o1.gs	Method	GENSCAN
Start	114	End	1101
GI	none	Score	.81
Exons	114..1101		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22940	Strand	-
Start	18768	End	24063
Name	OJ990420_11.9923.C21.o7.gs	Method	GENSCAN
Start	18768	End	23142
GI	none	Score	.62
Exons	18768..18850, 19586..19701, 19990..20134, 20427..22028, 22288..22459, 22874..22914, 23127..23142		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22940	Strand	-
Start	18768	End	24063
Name	OJ990420_11.9923.C21.o3.np	Method	AAT/NAP
Start	20643	End	24063
GI	4519258	Score	80
Exons	20643..21075, 23992..24063		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22941	Strand	-
Start	23987	End	24142
Name	OJ990420_11.9923.C21.o2.tm	Method	TBLASTX:Maize
Start	98	End	606
GI	none	Score	75
Exons	98..214, 130..258, 334..471, 562..606		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22941	Strand	-
Start	23987	End	24142
Name	OJ990420_11.9923.C21.o1.tw	Method	TBLASTX:Wheat
Start	8626	End	9018
GI	none	Score	64
Exons	8626..8901, 8878..8973, 8879..8971, 8974..9018		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22941	Strand	-
Start	23987	End	24142
Name	OJ990420_11.9923.C21.o1.tm	Method	TBLASTX:Maize
Start	20857	End	21223
GI	none	Score	112
Exons	20857..21114, 20858..21091, 21166..21222, 21170..21223		

Seq. No.	10783	Seq. ID	OJ990420_11.9923.C21
Gene No.	22941	Strand	-
Start	23987	End	24142
Name	OJ990420_11.9923.C21.o8.gs	Method	GENSCAN
Start	23987	End	24142
GI	none	Score	.73
Exons	23987..24142		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22942	Strand	+
Start	255	End	6511
Name	OJ990420_11.9923.C22.o1.np	Method	AAT/NAP
Start	255	End	6141
GI	6041806	Score	1597
Exons	255..507, 1017..1210, 1296..1343, 3812..3884, 4145..4316, 5392..5823, 5949..6141		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana]		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22942	Strand	+
Start	255	End	6511
Name	OJ990420_11.9923.C22.o1.gs	Method	GENSCAN
Start	421	End	6511
GI	none	Score	.79
Exons	421..507, 1037..1210, 1296..1343, 3812..3884, 4145..4316, 5392..5823, 5949..6140, 6436..6511		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22943	Strand	+
Start	12489	End	13753
Name	OJ990420_11.9923.C22.o3.np	Method	AAT/NAP
Start	12489	End	13753
GI	6498436	Score	84
Exons	12489..12694, 13563..13753		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o3.tm	Method	TBLASTX:Maize
Start	249	End	475
GI	none	Score	343
Exons	249..473, 251..475, 281..475		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o3.tw	Method	TBLASTX:Wheat
Start	264	End	5773
GI	none	Score	55
Exons	264..347, 441..509, 444..509, 1070..1150, 3812..3886, 3815..3886, 4203..4319, 4204..4317, 5392..5565, 5393..5641, 5393..5641, 5507..5566, 5599..5643, 5693..5773		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o2.ts	Method	TBLASTX:Soybean
Start	264	End	5828
GI	none	Score	55
Exons	264..347, 444..509, 447..509, 3815..3886, 5375..5665, 5387..5824, 5599..5748, 5616..5828		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22

Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o2.tc	Method	TBLASTX:Cress
Start	276	End	5809
GI	none	Score	51
Exons	276..356, 441..509, 444..506, 3806..3886, 3815..3886, 3821..3883, 4144..4317, 4145..4288, 4179..4316, 5393..5566, 5395..5565, 5399..5428, 5492..5566, 5498..5566, 5545..5580, 5601..5651, 5603..5809, 5608..5748, 5678..5773, 5684..5773, 5688..5807		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o3.ts	Method	TBLASTX:Soybean
Start	348	End	1174
GI	none	Score	95
Exons	348..443, 1015..1167, 1016..1174		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o4.tm	Method	TBLASTX:Maize
Start	3789	End	5794
GI	none	Score	78
Exons	3789..3884, 3795..3884, 3811..3885, 3812..3886, 3815..3886, 4144..4317, 4145..4333, 4152..4319, 5392..5496, 5393..5560, 5394..5504, 5399..5449, 5480..5566, 5492..5566, 5501..5656, 5502..5645, 5522..5656, 5524..5658, 5599..5658, 5684..5794, 5693..5773		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o4.tc	Method	TBLASTX:Cress
Start	5944	End	6105
GI	none	Score	101
Exons	5944..6093, 5948..6094, 5949..6095, 5949..6104, 5950..6105		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o1.gp	Method	AAT/GAP
Start	7980	End	10545
GI	213_1.R1084	Score	2926
Exons	7980..8637, 8765..8933, 9027..9277, 10115..10545		
GI Descrip.	'4158221/emb|CAA77235| 0.0e+00 (Y18624) reversibly glycosylated polypeptide [Oryza sativa]'		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o1.tm	Method	TBLASTX:Maize
Start	8283	End	9236
GI	none	Score	476
Exons	8283..8381, 8302..8640, 8303..8641, 8303..8641, 8524..8646, 8748..8942, 8754..8918, 8759..8938, 9017..9235, 9018..9236,		

9186..9236

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o2.gs	Method	GENSCAN
Start	8305	End	10456
GI	none	Score	.94
Exons	8305..8637, 8765..8933, 9027..9277, 10115..10456		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o2.np	Method	AAT/NAP
Start	8308	End	10456
GI	4158221	Score	1883
Exons	8308..8637, 8765..8933, 9027..9277, 10115..10456		
GI Descrip.	(Y18624) reversibly glycosylated polypeptide [Oryza sativa]		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o1.ts	Method	TBLASTX:Soybean
Start	8311	End	10433
GI	none	Score	96
Exons	8311..8637, 8344..8445, 8348..8638, 8524..8640, 8574..8639, 8762..8935, 8763..8936, 9023..9277, 9024..9293, 9186..9284, 10113..10220, 10118..10432, 10263..10433		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o2.tw	Method	TBLASTX:Wheat
Start	8326	End	8822
GI	none	Score	338
Exons	8326..8637, 8342..8638, 8524..8640, 8756..8821, 8762..8821, 8763..8822, 8763..8822		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o3.tc	Method	TBLASTX:Cress
Start	8329	End	10459
GI	none	Score	227
Exons	8329..8565, 8330..8566, 10247..10459, 10248..10415		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o1.tc	Method	TBLASTX:Cress
Start	8566	End	10246
GI	none	Score	246
Exons	8566..8619, 8611..8637, 8762..8935, 8763..8936, 9023..9277, 9024..9293, 9180..9284, 10113..10220, 10118..10246		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-

Start	8305	End	10545
Name	OJ990420_11.9923.C22.o2.tm	Method	TBLASTX:Maize
Start	9237	End	10457
GI	none	Score	72
Exons	9237..9284, 9238..9276, 10113..10220, 10118..10456, 10263..10457		

Seq. No.	10784	Seq. ID	OJ990420_11.9923.C22
Gene No.	22944	Strand	-
Start	8305	End	10545
Name	OJ990420_11.9923.C22.o1.tw	Method	TBLASTX:Wheat
Start	10121	End	10412
GI	none	Score	146
Exons	10121..10411, 10122..10220, 10263..10412		

Seq. No.	10785	Seq. ID	OJ990420_11.9923.C23
Gene No.	22945	Strand	-
Start	672	End	2009
Name	OJ990420_11.9923.C23.o1.gs	Method	GENSCAN
Start	672	End	2009
GI	none	Score	.47
Exons	672..802, 1630..1680, 1887..2009		

Seq. No.	10786	Seq. ID	OJ990420_11.9923.C24
Gene No.	22946	Strand	+
Start	170	End	4761
Name	OJ990420_11.9923.C24.o1.gs	Method	GENSCAN
Start	170	End	4761
GI	none	Score	.53
Exons	170..223, 898..996, 4495..4761		

Seq. No.	10786	Seq. ID	OJ990420_11.9923.C24
Gene No.	22947	Strand	-
Start	7215	End	11357
Name	OJ990420_11.9923.C24.o2.gs	Method	GENSCAN
Start	7215	End	11357
GI	none	Score	.55
Exons	7215..7632, 7897..8371, 8488..8581, 8852..8963, 10192..10284, 11176..11357		

Seq. No.	10787	Seq. ID	OJ990420_11.9923.C25
Gene No.	22948	Strand	+
Start	575	End	8898
Name	OJ990420_11.9923.C25.o1.gs	Method	GENSCAN
Start	575	End	8679
GI	none	Score	.46
Exons	575..631, 718..798, 1321..1414, 2619..2637, 3095..3172, 6925..7009, 8237..8398, 8565..8679		

Seq. No.	10787	Seq. ID	OJ990420_11.9923.C25
Gene No.	22948	Strand	+
Start	575	End	8898
Name	OJ990420_11.9923.C25.o1.gp	Method	AAT/GAP
Start	8474	End	8898
GI	LIB3479-006-Q6-K1-B11	Score	595
Exons	8474..8898		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	10787	Seq. ID	OJ990420_11.9923.C25
Gene No.	22949	Strand	-
Start	6000	End	8688
Name	OJ990420_11.9923.C25.o1.np	Method	AAT/NAP
Start	6000	End	8688
GI	6539570	Score	187
Exons	6000..6046, 8251..8317, 8485..8688		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	10787	Seq. ID	OJ990420_11.9923.C25
Gene No.	22950	Strand	-
Start	8815	End	8893
Name	OJ990420_11.9923.C25.o2.np	Method	AAT/NAP
Start	8815	End	8893
GI	6630699	Score	76
Exons	8815..8893		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10787	Seq. ID	OJ990420_11.9923.C25
Gene No.	22951	Strand	-
Start	9792	End	10112
Name	OJ990420_11.9923.C25.o2.gs	Method	GENSCAN
Start	9792	End	10006
GI	none	Score	1
Exons	9792..10006		

Seq. No.	10787	Seq. ID	OJ990420_11.9923.C25
Gene No.	22951	Strand	-
Start	9792	End	10112
Name	OJ990420_11.9923.C25.o3.np	Method	AAT/NAP
Start	9792	End	10112
GI	1498064	Score	218
Exons	9792..10112		
GI Descrip.	(U64825) AtE1 [Arabidopsis thaliana]		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22952	Strand	+
Start	3122	End	4278
Name	OJ990420_11.9923.C26.o1.gs	Method	GENSCAN
Start	3122	End	4278
GI	none	Score	.98
Exons	3122..3248, 3415..3668, 3680..4278		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22953	Strand	+
Start	7883	End	11543
Name	OJ990420_11.9923.C26.o2.gs	Method	GENSCAN
Start	7883	End	11543
GI	none	Score	.47
Exons	7883..8199, 8532..8596, 8611..9208, 9503..9684, 9739..9854, 9868..10423, 10837..10980, 11153..11362, 11449..11543		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22954	Strand	+

Start	13915	End	14646
Name	OJ990420_11.9923.C26.o4.gs	Method	GENSCAN
Start	13915	End	14646
GI	none	Score	.76
Exons	13915..13933, 14147..14362, 14474..14646		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22955	Strand	+
Start	15708	End	20075
Name	OJ990420_11.9923.C26.o5.gs	Method	GENSCAN
Start	15708	End	20075
GI	none	Score	.42
Exons	15708..15965, 16074..16542, 17014..17216, 17489..17651, 17924..18111, 19932..20075		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22955	Strand	+
Start	15708	End	20075
Name	OJ990420_11.9923.C26.o3.np	Method	AAT/NAP
Start	16299	End	18638
GI	6498436	Score	537
Exons	16299..16436, 16476..16542, 16591..17208, 17452..17637, 18446..18638		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22956	Strand	+
Start	26630	End	36988
Name	OJ990420_11.9923.C26.o7.gs	Method	GENSCAN
Start	26630	End	33203
GI	none	Score	.56
Exons	26630..26935, 28802..29732, 30733..30771, 31166..31302, 31435..31491, 31570..31642, 31719..31821, 32501..32792, 32880..33083, 33171..33203		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22956	Strand	+
Start	26630	End	36988
Name	OJ990420_11.9923.C26.o5.np	Method	AAT/NAP
Start	30176	End	36988
GI	3089349	Score	55
Exons	30176..30234, 31895..31970, 32462..32776, 36965..36988		
GI Descrip.	(U64205) Cdc25C associated protein kinase C-TAK1 [Homo sapiens]		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22957	Strand	-
Start	3387	End	3876
Name	OJ990420_11.9923.C26.o1.np	Method	AAT/NAP
Start	3387	End	3876
GI	2828149	Score	227
Exons	3387..3633, 3846..3876		
GI Descrip.	(AF042385) cyclophilin-33A [Homo sapiens]		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22958	Strand	-
Start	7430	End	11540
Name	OJ990420_11.9923.C26.o1.tm	Method	TBLASTX:Maize

Start	3362	End	3892
GI	none	Score	86
Exons	3362..3445, 3369..3608, 3377..3622, 3509..3631, 3543..3638, 3844..3888, 3845..3892		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22958	Strand	-
Start	7430	End	11540
Name	OJ990420_11.9923.C26.o2.ts	Method	TBLASTX:Soybean
Start	3372	End	3631
GI	none	Score	243
Exons	3372..3605, 3377..3622, 3509..3631		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22958	Strand	-
Start	7430	End	11540
Name	OJ990420_11.9923.C26.o2.tc	Method	TBLASTX:Cress
Start	3377	End	3622
GI	none	Score	161
Exons	3377..3409, 3384..3605, 3398..3622		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22958	Strand	-
Start	7430	End	11540
Name	OJ990420_11.9923.C26.o1.ts	Method	TBLASTX:Soybean
Start	7412	End	10414
GI	none	Score	50
Exons	7412..7489, 9510..9572, 9510..9575, 9517..9573, 9582..9776, 9585..9710, 9673..9768, 9846..9899, 9934..10077, 9965..10072, 10091..10186, 10093..10155, 10231..10347, 10370..10414		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22958	Strand	-
Start	7430	End	11540
Name	OJ990420_11.9923.C26.o2.tm	Method	TBLASTX:Maize
Start	7427	End	9809
GI	none	Score	193
Exons	7427..7492, 9503..9754, 9510..9809, 9511..9789		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22958	Strand	-
Start	7430	End	11540
Name	OJ990420_11.9923.C26.o2.tw	Method	TBLASTX:Wheat
Start	7428	End	9743
GI	none	Score	79
Exons	7428..7490, 7430..7486, 9509..9607, 9510..9743, 9517..9735		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22958	Strand	-
Start	7430	End	11540
Name	OJ990420_11.9923.C26.o2.np	Method	AAT/NAP
Start	7430	End	11540
GI	4741846	Score	809
Exons	7430..7492, 9525..10404, 11462..11540		
GI Descrip.	(AF112965) beta-1,3-glucanase precursor [Triticum aestivum]		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26

Gene No.	22958	Strand	-
Start	7430	End	11540
Name	OJ990420_11.9923.C26.o1.tc	Method	TBLASTX:Cress
Start	9531	End	10403
GI	none	Score	50
Exons	9531..9578, 9534..9572, 9582..9839, 9676..9768, 9846..9893, 9895..9975, 10099..10149, 10234..10356, 10235..10357, 10371..10403, 10373..10402		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22959	Strand	
Start	15726	End	16193
Name	OJ990420_11.9923.C26.o1.tw	Method	TBLASTX:Wheat
Start	15726	End	16186
GI	none	Score	276
Exons	15726..15998, 15798..15992, 15905..15997, 16002..16181, 16011..16163, 16022..16186		

Seq. No.	10788	Seq. ID	OJ990420_11.9923.C26
Gene No.	22959	Strand	
Start	15726	End	16193
Name	OJ990420_11.9923.C26.o3.ts	Method	TBLASTX:Soybean
Start	15774	End	16193
GI	none	Score	167
Exons	15774..16043, 15831..16043, 16035..16193		

Seq. No.	10789	Seq. ID	OJ990420_11.9923.C27
Gene No.	22960	Strand	-
Start	81	End	320
Name	OJ990420_11.9923.C27.o1.gs	Method	GENSCAN
Start	81	End	320
GI	none	Score	.7
Exons	81..193, 260..320		

Seq. No.	10790	Seq. ID	OJ990420_11.9923.C28
Gene No.	22961	Strand	+
Start	108	End	205
Name	OJ990420_11.9923.C28.o1.gs	Method	GENSCAN
Start	108	End	205
GI	none	Score	.57
Exons	108..205		

Seq. No.	10791	Seq. ID	OJ990420_11.9923.C30
Gene No.	22962	Strand	-
Start	1	End	429
Name	OJ990420_11.9923.C30.o1.np	Method	AAT/NAP
Start	1	End	429
GI	2828151	Score	220
Exons	1..40, 131..429		
GI Descrip.	(AF042386) cyclophilin-33B [Homo sapiens] gi|4406229|gb|AAD19907| (AF104013) peptidyl-prolyl cis-trans isomerase E [Homo sapiens]		

Seq. No.	10791	Seq. ID	OJ990420_11.9923.C30
Gene No.	22962	Strand	-
Start	1	End	429
Name	OJ990420_11.9923.C30.o1.tm	Method	TBLASTX:Maize

Start	127	End	403
GI	none	Score	86
Exons	127..210, 134..373, 142..387,	274..396,	308..403

Seq. No.	10791	Seq. ID	OJ990420_11.9923.C30
Gene No.	22962	Strand	-
Start	1	End	429
Name	OJ990420_11.9923.C30.o1.ts	Method	TBLASTX:Soybean
Start	137	End	396
GI	none	Score	243
Exons	137..370, 142..387, 274..396		

Seq. No.	10791	Seq. ID	OJ990420_11.9923.C30
Gene No.	22962	Strand	-
Start	1	End	429
Name	OJ990420_11.9923.C30.o1.tc	Method	TBLASTX:Cress
Start	142	End	387
GI	none	Score	161
Exons	142..174, 149..370, 163..387		

Seq. No.	10791	Seq. ID	OJ990420_11.9923.C30
Gene No.	22962	Strand	-
Start	1	End	429
Name	OJ990420_11.9923.C30.o1.gs	Method	GENSCAN
Start	152	End	398
GI	none	Score	.76
Exons	152..398		

Seq. No.	10792	Seq. ID	OJ990420_11.9923.C33
Gene No.	22963	Strand	+
Start	294	End	671
Name	OJ990420_11.9923.C33.o1.np	Method	AAT/NAP
Start	294	End	668
GI	6730651	Score	134
Exons	294..521, 558..668		
GI Descrip.	(AC008262) F4N2.5 [Arabidopsis thaliana]		

Seq. No.	10792	Seq. ID	OJ990420_11.9923.C33
Gene No.	22963	Strand	+
Start	294	End	671
Name	OJ990420_11.9923.C33.o1.gs	Method	GENSCAN
Start	351	End	671
GI	none	Score	.85
Exons	351..671		

Seq. No.	10792	Seq. ID	OJ990420_11.9923.C33
Gene No.	22964	Strand	-
Start	1780	End	2202
Name	OJ990420_11.9923.C33.o1.gp	Method	AAT/GAP
Start	1780	End	2202
GI	LIB3477-003-P1-K1-E9	Score	97
Exons	1780..1846, 2175..2202		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	10792	Seq. ID	OJ990420_11.9923.C33

Gene No.	22965	Strand	-
Start	3307	End	4670
Name	OJ990420_11.9923.C33.o2.gs	Method	GENSCAN
Start	3307	End	4670
GI	none	Score	.86
Exons	3307..3470, 4637..4670		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22966	Strand	+
Start	1073	End	10406
Name	OJ990420_11.9923.C34.o1.gs	Method	GENSCAN
Start	1073	End	10406
GI	none	Score	.86
Exons	1073..1297, 1805..2180, 2284..2418, 2756..2894, 3679..3761, 3845..3904, 4750..4941, 5289..5348, 5377..5505, 5809..6474, 6614..6806, 6902..7095, 7234..7338, 7417..7559, 7641..7919, 8027..8287, 9303..9388, 9726..9764, 10078..10189, 10223..10406		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22966	Strand	+
Start	1073	End	10406
Name	OJ990420_11.9923.C34.o2.np	Method	AAT/NAP
Start	1968	End	8294
GI	6730652	Score	1644
Exons	1968..2180, 2284..2418, 2756..2971, 3845..3904, 4750..4855, 5364..5505, 5809..6478, 6606..6806, 6902..7156, 7424..7559, 7641..7919, 8027..8294		
GI Descrip.	(AC008262) F4N2.4 [Arabidopsis thaliana]		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22966	Strand	+
Start	1073	End	10406
Name	OJ990420_11.9923.C34.o2.gp	Method	AAT/GAP
Start	9825	End	10356
GI	1848_1.R1084	Score	995
Exons	9825..10356		
GI Descrip.	'4406764/gb|AAD20075| 2.0e-09 (AC006836) putative uridylyl transferase [Arabidopsis thaliana]'		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22967	Strand	-
Start	1	End	2676
Name	OJ990420_11.9923.C34.o1.np	Method	AAT/NAP
Start	1	End	2676
GI	5042463	Score	134
Exons	1..67, 729..991, 2656..2676		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22968	Strand	-
Start	8303	End	8751
Name	OJ990420_11.9923.C34.o1.gp	Method	AAT/GAP
Start	8303	End	8751
GI	none	Score	887
Exons	8303..8751		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34

Gene No.	22969	Strand	-
Start	10122	End	10730
Name	OJ990420_11.9923.C34.o4.tm	Method	TBLASTX:Maize
Start	2070	End	2821
GI	none	Score	97
Exons	2070..2180, 2070..2117, 2072..2179, 2281..2427, 2283..2411, 2754..2804, 2756..2821		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22969	Strand	-
Start	10122	End	10730
Name	OJ990420_11.9923.C34.o2.tm	Method	TBLASTX:Maize
Start	6408	End	6808
GI	none	Score	85
Exons	6408..6476, 6409..6492, 6410..6493, 6610..6807, 6611..6808		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22969	Strand	-
Start	10122	End	10730
Name	OJ990420_11.9923.C34.o2.ts	Method	TBLASTX:Soybean
Start	6610	End	6971
GI	none	Score	210
Exons	6610..6750, 6611..6805, 6906..6971		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22969	Strand	-
Start	10122	End	10730
Name	OJ990420_11.9923.C34.o1.tm	Method	TBLASTX:Maize
Start	7228	End	8642
GI	none	Score	115
Exons	7228..7341, 7236..7298, 7414..7521, 7416..7553, 7416..7610, 7417..7578, 7582..7923, 7638..7919, 7642..7923, 8025..8264, 8027..8272, 8111..8269, 8125..8289, 8264..8290, 8350..8373, 8580..8642		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22969	Strand	-
Start	10122	End	10730
Name	OJ990420_11.9923.C34.o1.ts	Method	TBLASTX:Soybean
Start	7591	End	7937
GI	none	Score	245
Exons	7591..7935, 7638..7760, 7800..7937		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22969	Strand	-
Start	10122	End	10730
Name	OJ990420_11.9923.C34.o3.np	Method	AAT/NAP
Start	10122	End	10730
GI	4406764	Score	301
Exons	10122..10730		
GI Descrip.	(AC006836) putative uridylyl transferase [Arabidopsis thaliana]		

Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22969	Strand	-
Start	10122	End	10730
Name	OJ990420_11.9923.C34.o3.tm	Method	TBLASTX:Maize
Start	10183	End	10437

GI	none	Score	254
Exons	10183..10437, 10227..10436		
Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22969	Strand	-
Start	10122	End	10730
Name	OJ990420_11.9923.C34.o1.tc	Method	TBLASTX:Cress
Start	10233	End	10437
GI	none	Score	113
Exons	10233..10436, 10249..10437		
Seq. No.	10793	Seq. ID	OJ990420_11.9923.C34
Gene No.	22969	Strand	-
Start	10122	End	10730
Name	OJ990420_11.9923.C34.o3.ts	Method	TBLASTX:Soybean
Start	10270	End	10437
GI	none	Score	162
Exons	10270..10437, 10270..10434, 10272..10436		
Seq. No.	10794	Seq. ID	OJ990420_11.9923.C35
Gene No.	22970	Strand	+
Start	1	End	419
Name	OJ990420_11.9923.C35.o1.np	Method	AAT/NAP
Start	1	End	417
GI	1843399	Score	60
Exons	1..25, 289..417		
GI Descrip.	(AB000467) unnamed protein product [Homo sapiens]		
Seq. No.	10794	Seq. ID	OJ990420_11.9923.C35
Gene No.	22970	Strand	+
Start	1	End	419
Name	OJ990420_11.9923.C35.o1.gs	Method	GENSCAN
Start	201	End	417
GI	none	Score	.94
Exons	201..260, 289..417		
Seq. No.	10794	Seq. ID	OJ990420_11.9923.C35
Gene No.	22970	Strand	+
Start	1	End	419
Name	OJ990420_11.9923.C35.o1.ts	Method	TBLASTX:Soybean
Start	270	End	419
GI	none	Score	181
Exons	270..371, 286..417, 288..419		
Seq. No.	10795	Seq. ID	OJ990430_12.9927.C1
Gene No.	22971	Strand	-
Start	1	End	414
Name	OJ990430_12.9927.C1.o1.gp	Method	AAT/GAP
Start	1	End	414
GI	3768912	Score	770
Exons	1..414		
Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22972	Strand	+
Start	532	End	830
Name	OJ990430_12.9927.C2.o1.np	Method	AAT/NAP
Start	532	End	830

GI	585202	Score	202
Exons	532..603, 703..830		
GI Descrip.	GLUTAMINE SYNTHETASE ROOT ISOZYME 2 (GLUTAMATE--AMMONIA LIGASE) gi|481807|pir||S39478 glutamate--ammonia ligase (EC 6.3.1.2) 1-2, cytosolic - maize gi|434326|emb|CAA46720| (X65927) glutamine synthetase [Zea mays]		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22972	Strand	+
Start	532	End	830
Name	OJ990430_12.9927.C2.o1.gs	Method	GENSCAN
Start	543	End	830
GI	none	Score	.85
Exons	543..603, 703..830		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22973	Strand	+
Start	8698	End	11661
Name	OJ990430_12.9927.C2.o3.gs	Method	GENSCAN
Start	8698	End	11661
GI	none	Score	.79
Exons	8698..8753, 9359..9491, 9631..9726, 11440..11661		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22974	Strand	+
Start	11580	End	11642
Name	OJ990430_12.9927.C2.o2.gp	Method	AAT/GAP
Start	11580	End	11642
GI	15625_1.R1084	Score	80
Exons	11580..11642		
GI Descrip.	'2129628/pir||S58275 2.0e-21 ketoconazole resistent protein - Arabidopsis thaliana >gi_928938_emb_CAA61433_ (X89036) ketoconazole resistent protein [Arabidopsis thaliana]'		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22975	Strand	+
Start	15003	End	16308
Name	OJ990430_12.9927.C2.o4.np	Method	AAT/NAP
Start	15003	End	16308
GI	6815099	Score	69
Exons	15003..15049, 16184..16308		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22976	Strand	-
Start	2136	End	9905
Name	OJ990430_12.9927.C2.o2.gs	Method	GENSCAN
Start	2136	End	7646
GI	none	Score	.87
Exons	2136..3200, 3227..3408, 3468..3597, 3856..3972, 4142..4274, 4533..4609, 4698..4802, 5338..5401, 5508..5642, 6155..6250, 6336..6490, 6569..6668, 6961..7061, 7159..7278, 7545..7646		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22976	Strand	-
Start	2136	End	9905
Name	OJ990430_12.9927.C2.o1.gp	Method	AAT/GAP

Start	3418	End	9905
GI	3805_1.R1084	Score	3832
Exons	3418..3741, 3856..3972, 4142..4274, 4533..4609, 4698..4873, 5182..5263, 5338..5401, 6155..6250, 6336..6490, 6569..6668, 6755..6814, 6961..7061, 7159..7278, 7365..7427, 7545..7658, 8190..8245, 8640..8721, 9708..9905		
GI Descrip.	'3294467 0.0e+00 (U89341) phosphoglucomutase 1 [Zea mays]'		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22976	Strand	-
Start	2136	End	9905
Name	OJ990430_12.9927.C2.o2.np	Method	AAT/NAP
Start	3673	End	9788
GI	3294469	Score	2364
Exons	3673..3741, 3856..3972, 4142..4274, 4533..4609, 4698..4873, 5182..5263, 5338..5401, 6155..6250, 6336..6490, 6569..6668, 6755..6814, 6961..7061, 7159..7278, 7365..7427, 7545..7658, 8190..8245, 8640..8721, 9708..9788		
GI Descrip.	(U89342) phosphoglucomutase 2 [Zea mays]		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o5.tc	Method	TBLASTX:Cress
Start	494	End	791
GI	none	Score	108
Exons	494..604, 534..605, 701..790, 702..791		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o3.tm	Method	TBLASTX:Maize
Start	533	End	815
GI	none	Score	110
Exons	533..604, 534..605, 701..790, 702..815		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o3.ts	Method	TBLASTX:Soybean
Start	533	End	791
GI	none	Score	105
Exons	533..604, 534..605, 701..790, 702..791		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o2.tm	Method	TBLASTX:Maize
Start	3542	End	9798
GI	none	Score	34
Exons	3542..3589, 3595..3741, 3657..3740, 3659..3742, 3665..3742, 3840..3893, 3853..3972, 3854..3973, 4099..4269, 4116..4277, 4124..4288, 4136..4276, 4141..4290, 4526..4612, 4527..4610, 4532..4612, 4665..4871, 4698..4874, 4699..4875, 5171..5269, 5173..5265, 5177..5269, 5335..5403, 5335..5403, 5336..5404, 5373..5411, 6143..6253, 6143..6250, 6153..6251, 6154..6261, 6332..6412, 6333..6413, 6338..6412, 6374..6493, 6408..6491,		

6558..6668, 6567..6677, 6569..6676, 6755..6814, 6757..6816,
6960..7061, 6961..7062, 7150..7281, 7157..7279, 7158..7286,
7360..7425, 7363..7428, 7365..7427, 7545..7661, 7546..7665,
7546..7659, 8190..8246, 8191..8247, 8192..8248, 8637..8723,
8638..8724, 8639..8725, 9702..9794, 9706..9798

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o2.ts	Method	TBLASTX:Soybean
Start	3659	End	5252
GI	none	Score	98
Exons	3659..3733, 3667..3741, 3668..3742, 3854..3895, 3866..3967, 3878..3967, 3883..3972, 4012..4077, 4136..4276, 4143..4268, 4153..4269, 4526..4612, 4536..4610, 4665..4781, 4698..4781, 4699..4782, 4788..4874, 4788..4874, 4792..4875, 5177..5251, 5205..5252		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o3.tc	Method	TBLASTX:Cress
Start	3670	End	4612
GI	none	Score	95
Exons	3670..3741, 3671..3742, 3853..3972, 3854..3973, 4116..4217, 4136..4294, 4147..4266, 4526..4612, 4533..4610		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o2.tw	Method	TBLASTX:Wheat
Start	4217	End	5261
GI	none	Score	97
Exons	4217..4270, 4526..4612, 4533..4610, 4662..4874, 4685..4807, 4698..4874, 4699..4875, 5171..5260, 5177..5248, 5205..5261, 5214..5249		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o4.tc	Method	TBLASTX:Cress
Start	4704	End	5236
GI	none	Score	82
Exons	4704..4874, 4704..4874, 4729..4875, 4795..4875, 5177..5236		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o1.tc	Method	TBLASTX:Cress
Start	5237	End	6816
GI	none	Score	94
Exons	5237..5272, 5335..5403, 6143..6253, 6154..6261, 6332..6409, 6335..6394, 6401..6493, 6423..6491, 6567..6677, 6569..6676, 6755..6811, 6757..6816		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-

Start	11527	End	19209
Name	OJ990430_12.9927.C2.o1.tw	Method	TBLASTX:Wheat
Start	6226	End	7028
GI	none	Score	41
Exons	6226..6261, 6227..6253, 6332..6493, 6333..6494, 6337..6498, 6338..6493, 6409..6498, 6558..6647, 6569..6676, 6573..6665, 6732..6812, 6755..6814, 6757..6816, 6960..7028, 6961..7026		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o1.ts	Method	TBLASTX:Soybean
Start	6235	End	9792
GI	none	Score	47
Exons	6235..6261, 6301..6360, 6328..6396, 6332..6400, 6335..6397, 6374..6493, 6411..6491, 6567..6677, 6569..6676, 6755..6811, 6757..6816, 6960..7061, 6961..7062, 7150..7281, 7157..7279, 7363..7428, 7365..7427, 7545..7658, 7546..7659, 8184..8246, 8185..8250, 8191..8247, 8626..8724, 8639..8725, 8665..8736, 9705..9791, 9706..9792		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o2.tc	Method	TBLASTX:Cress
Start	6955	End	9773
GI	none	Score	107
Exons	6955..7056, 6960..7085, 6961..7062, 7142..7279, 7144..7281, 7183..7290, 7363..7428, 7363..7425, 7365..7430, 7365..7427, 7545..7658, 7546..7665, 7558..7659, 8184..8246, 8191..8250, 8191..8247, 8626..8724, 8639..8725, 9705..9773, 9706..9759		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o3.np	Method	AAT/NAP
Start	11527	End	19209
GI	6649242	Score	60
Exons	11527..11648, 13315..13390, 19014..19209		
GI Descrip.	(AF201422) splicing coactivator subunit SRm300 [Homo sapiens]		

Seq. No.	10796	Seq. ID	OJ990430_12.9927.C2
Gene No.	22977	Strand	-
Start	11527	End	19209
Name	OJ990430_12.9927.C2.o1.tm	Method	TBLASTX:Maize
Start	13967	End	15202
GI	none	Score	40
Exons	13967..14014, 14011..14262, 14014..14265, 14266..14550, 14268..14561, 14269..14568, 14553..14606, 14555..14767, 14632..14736, 14676..14771, 14730..14876, 14758..14865, 14769..14873, 14770..14877, 14774..14875, 14979..15167, 14981..15166, 14984..15202, 15010..15177		

Seq. No.	10797	Seq. ID	OJ990430_12.9927.C3
Gene No.	22978	Strand	+
Start	30	End	323
Name	OJ990430_12.9927.C3.o1.gs	Method	GENSCAN

Start	30	End	323
GI	none	Score	.51
Exons	30..323		

Seq. No.	10797	Seq. ID	OJ990430_12.9927.C3
Gene No.	22979	Strand	-
Start	1005	End	1723
Name	OJ990430_12.9927.C3.o2.gs	Method	GENSCAN
Start	1005	End	1723
GI	none	Score	.8
Exons	1005..1122, 1334..1723		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22980	Strand	+
Start	1	End	2183
Name	OJ990430_12.9927.C4.o1.np	Method	AAT/NAP
Start	1	End	2099
GI	4008006	Score	1080
Exons	1..772, 1510..2099		
GI Descrip.	(AF084034) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22980	Strand	+
Start	1	End	2183
Name	OJ990430_12.9927.C4.o1.gs	Method	GENSCAN
Start	22	End	2183
GI	none	Score	.92
Exons	22..167, 283..434, 440..772, 1510..2183		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22980	Strand	+
Start	1	End	2183
Name	OJ990430_12.9927.C4.o1.gp	Method	AAT/GAP
Start	330	End	1668
GI	70286_1.R1084	Score	1130
Exons	330..772, 1510..1668		
GI Descrip.	'4008006 8.0e-52 (AF084034) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22980	Strand	+
Start	1	End	2183
Name	OJ990430_12.9927.C4.o2.gp	Method	AAT/GAP
Start	1761	End	2093
GI	LIB3434-064-P1-K1-B5	Score	563
Exons	1761..2093		
GI Descrip.	'2760839/gb|AAB95307.1| 1.0e-26 (AC003105) putative receptor kinase [Arabidopsis thaliana]'		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22981	Strand	+
Start	2090	End	2538
Name	OJ990430_12.9927.C4.o3.gp	Method	AAT/GAP
Start	2090	End	2538
GI	none	Score	861
Exons	2090..2538		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22982	Strand	-
Start	2490	End	3986
Name	OJ990430_12.9927.C4.o2.gs	Method	GENSCAN
Start	2490	End	3986
GI	none	Score	.92
Exons	2490..2766, 3612..3791, 3919..3986		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22983	Strand	-
Start	4225	End	8004
Name	OJ990430_12.9927.C4.o3.tm	Method	TBLASTX:Maize
Start	3	End	302
GI	none	Score	50
Exons	3..56, 3..101, 41..88, 44..136, 79..135, 97..150, 159..293, 159..302, 250..300		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22983	Strand	-
Start	4225	End	8004
Name	OJ990430_12.9927.C4.o2.tw	Method	TBLASTX:Wheat
Start	57	End	699
GI	none	Score	170
Exons	57..167, 451..570, 452..583, 452..577, 574..699, 579..698		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22983	Strand	-
Start	4225	End	8004
Name	OJ990430_12.9927.C4.o2.tm	Method	TBLASTX:Maize
Start	428	End	777
GI	none	Score	205
Exons	428..583, 428..580, 439..582, 573..773, 574..774, 595..777		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22983	Strand	-
Start	4225	End	8004
Name	OJ990430_12.9927.C4.o1.ts	Method	TBLASTX:Soybean
Start	577	End	2083
GI	none	Score	249
Exons	577..774, 579..773, 580..777, 1490..1540, 1509..1535, 1536..2072, 1541..2083		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22983	Strand	-
Start	4225	End	8004
Name	OJ990430_12.9927.C4.o1.tc	Method	TBLASTX:Cress
Start	616	End	2072
GI	none	Score	147
Exons	616..774, 1509..1748, 1730..1945, 1734..1949, 1959..2072		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22983	Strand	-
Start	4225	End	8004
Name	OJ990430_12.9927.C4.o1.tm	Method	TBLASTX:Maize
Start	1489	End	2073
GI	none	Score	75
Exons	1489..1686, 1500..2072, 1505..2071, 1777..2073		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22983	Strand	-
Start	4225	End	8004
Name	OJ990430_12.9927.C4.o3.tw	Method	TBLASTX:Wheat
Start	1542	End	1832
GI	none	Score	137
Exons	1542..1694, 1734..1832		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22983	Strand	-
Start	4225	End	8004
Name	OJ990430_12.9927.C4.o1.tw	Method	TBLASTX:Wheat
Start	1873	End	2260
GI	none	Score	311
Exons	1873..2109, 1875..2111, 2097..2153, 2228..2260		

Seq. No.	10798	Seq. ID	OJ990430_12.9927.C4
Gene No.	22983	Strand	-
Start	4225	End	8004
Name	OJ990430_12.9927.C4.o3.gs	Method	GENSCAN
Start	4225	End	8004
GI	none	Score	.45
Exons	4225..4354, 6360..6556, 7951..8004		

Seq. No.	10799	Seq. ID	OJ990430_12.9927.C5
Gene No.	22984	Strand	-
Start	1093	End	6996
Name	OJ990430_12.9927.C5.o1.gs	Method	GENSCAN
Start	1093	End	6996
GI	none	Score	.68
Exons	1093..1405, 2165..2207, 2530..2557, 2742..2867, 2960..3092, 6758..6996		

Seq. No.	10799	Seq. ID	OJ990430_12.9927.C5
Gene No.	22984	Strand	-
Start	1093	End	6996
Name	OJ990430_12.9927.C5.o1.ts	Method	TBLASTX:Soybean
Start	2149	End	3110
GI	none	Score	92
Exons	2149..2208, 2525..2656, 2526..2657, 2555..2665, 2724..2867, 2725..2868, 2727..2867, 2960..3100, 2961..3110		

Seq. No.	10799	Seq. ID	OJ990430_12.9927.C5
Gene No.	22984	Strand	-
Start	1093	End	6996
Name	OJ990430_12.9927.C5.o1.gp	Method	AAT/GAP
Start	2519	End	6918
GI	17570_1.R1084	Score	984
Exons	2519..2656, 2742..2867, 2960..3099, 6758..6918		
GI Descrip.	'4886271/emb|CAB43411.1| 9.0e-56 (AL050300) putative protein [Arabidopsis thaliana]'		

Seq. No.	10799	Seq. ID	OJ990430_12.9927.C5
Gene No.	22984	Strand	-
Start	1093	End	6996
Name	OJ990430_12.9927.C5.o1.np	Method	AAT/NAP

Start	2519	End	3133
GI	4886271	Score	503
Exons	2519..2656, 2742..2867, 2960..3133		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	10799	Seq. ID	OJ990430_12.9927.C5
Gene No.	22984	Strand	-
Start	1093	End	6996
Name	OJ990430_12.9927.C5.o1.tm	Method	TBLASTX:Maize
Start	2522	End	3110
GI	none	Score	80
Exons	2522..2656, 2526..2657, 2710..2868, 2739..2867, 2742..2870, 2960..3100, 2960..3100, 2965..3108, 2967..3110		

Seq. No.	10799	Seq. ID	OJ990430_12.9927.C5
Gene No.	22984	Strand	-
Start	1093	End	6996
Name	OJ990430_12.9927.C5.o1.tw	Method	TBLASTX:Wheat
Start	2522	End	3066
GI	none	Score	80
Exons	2522..2656, 2526..2657, 2555..2665, 2710..2868, 2739..2867, 2748..2870, 2960..3061, 2964..3062, 2965..3057, 2965..3066		

Seq. No.	10799	Seq. ID	OJ990430_12.9927.C5
Gene No.	22984	Strand	-
Start	1093	End	6996
Name	OJ990430_12.9927.C5.o1.tc	Method	TBLASTX:Cress
Start	2525	End	3100
GI	none	Score	89
Exons	2525..2656, 2525..2656, 2739..2867, 2740..2859, 2742..2885, 2947..3090, 2960..3100, 2960..3100		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22985	Strand	+
Start	232	End	822
Name	OJ990430_12.9927.C6.o1.gs	Method	GENSCAN
Start	232	End	822
GI	none	Score	.85
Exons	232..371, 649..822		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o2.gs	Method	GENSCAN
Start	3608	End	14100
GI	none	Score	.71
Exons	3608..3660, 4221..4726, 4906..5004, 5093..5224, 5300..5607, 5908..6025, 6285..6979, 7743..7763, 9503..9623, 10077..10154, 10489..10675, 10774..11053, 11176..11321, 12518..12776, 13082..13217, 13382..13472, 13642..13831, 14008..14100		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o1.np	Method	AAT/NAP
Start	4204	End	7268
GI	6453893	Score	607

Exons	4204..4458, 4546..4726, 4906..5004, 5300..5607, 5908..6025, 6285..6489, 7177..7268		
GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o4.tm	Method	TBLASTX:Maize
Start	4210	End	4450
GI	none	Score	125
Exons	4210..4242, 4218..4442, 4218..4442, 4264..4446, 4264..4449, 4265..4450, 4280..4450		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o1.tm	Method	TBLASTX:Maize
Start	4651	End	5334
GI	none	Score	149
Exons	4651..4728, 4902..5006, 4903..5007, 4905..5006, 4959..5006, 5074..5220, 5077..5145, 5077..5226, 5091..5225, 5168..5227, 5176..5238, 5186..5281, 5299..5334		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o2.tm	Method	TBLASTX:Maize
Start	5431	End	6000
GI	none	Score	241
Exons	5431..5610, 5432..5608, 5436..5612, 5891..5998, 5892..5999, 5896..6000, 5908..6000		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o2.np	Method	AAT/NAP
Start	6193	End	8179
GI	6539570	Score	206
Exons	6193..6220, 7743..7797, 7964..8179		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o3.np	Method	AAT/NAP
Start	8304	End	8382
GI	6630699	Score	95
Exons	8304..8382		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o1.tw	Method	TBLASTX:Wheat
Start	9565	End	10532

GI	none	Score	61
Exons	9565..9624, 9565..9624, 9566..9625, 9567..9635, 9751..9804, 9755..9805, 9884..9991, 9885..9992, 10055..10159, 10078..10167, 10254..10325, 10488..10532, 10489..10530		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o1.ts	Method	TBLASTX:Soybean
Start	13077	End	13506
GI	none	Score	141
Exons	13077..13220, 13079..13219, 13351..13458, 13447..13506		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o3.tm	Method	TBLASTX:Maize
Start	13077	End	13974
GI	none	Score	175
Exons	13077..13223, 13079..13222, 13351..13449, 13447..13506, 13647..13706, 13876..13974, 13883..13957		

Seq. No.	10800	Seq. ID	OJ990430_12.9927.C6
Gene No.	22986	Strand	-
Start	3608	End	14178
Name	OJ990430_12.9927.C6.o4.np	Method	AAT/NAP
Start	13078	End	14178
GI	6522561	Score	504
Exons	13078..13217, 13382..13507, 13642..13700, 13876..14178		
GI Descrip.	(AL132967) calmodulin-binding heat-shock-like protein [Arabidopsis thaliana]		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22987	Strand	+
Start	2596	End	16095
Name	OJ990430_12.9927.C7.o1.gs	Method	GENSCAN
Start	2596	End	15864
GI	none	Score	.8
Exons	2596..2671, 3133..3411, 3514..3565, 4365..5077, 5123..5209, 5375..5403, 6175..6360, 6457..7794, 8593..8765, 8915..9149, 10761..10853, 10930..11070, 11146..11238, 12391..12601, 12684..12769, 13033..13121, 13912..13963, 14070..14126, 14163..14387, 14500..14577, 15483..15562, 15678..15864		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22987	Strand	+
Start	2596	End	16095
Name	OJ990430_12.9927.C7.o1.gp	Method	AAT/GAP
Start	4314	End	4699
GI	none	Score	701
Exons	4314..4699		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22987	Strand	+
Start	2596	End	16095
Name	OJ990430_12.9927.C7.o1.np	Method	AAT/NAP
Start	6217	End	15566

GI	6729348	Score	2982
Exons	6217..6360, 6457..7794, 8593..8765, 8915..9149, 10761..10853, 10930..11070, 11146..11238, 12391..12601, 12684..12769, 13033..13121, 13912..13963, 14070..14126, 14214..14388, 14498..14577, 15483..15566		
GI Descrip.	(AB037134) IRE homolog 1 [Arabidopsis thaliana]		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22987	Strand	+
Start	2596	End	16095
Name	OJ990430_12.9927.C7.o2.gp	Method	AAT/GAP
Start	7332	End	8656
GI	none	Score	1022
Exons	7332..7794, 8593..8656		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22987	Strand	+
Start	2596	End	16095
Name	OJ990430_12.9927.C7.o3.gp	Method	AAT/GAP
Start	14062	End	16095
GI	17089_1.R1084	Score	1464
Exons	14062..14126, 14214..14387, 14500..14577, 15483..15648, 15740..16095		
GI Descrip.	'1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa pathogenesis-related protein class 1 (PR-1) gene, complete cds'		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22988	Strand	+
Start	16098	End	16590
Name	OJ990430_12.9927.C7.o4.gp	Method	AAT/GAP
Start	16098	End	16590
GI	5771216	Score	944
Exons	16098..16590		
GI Descrip.	1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa pathogenesis-related protein class 1 (PR-1) gene, complete cds		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22989	Strand	+
Start	20497	End	20929
Name	OJ990430_12.9927.C7.o6.gp	Method	AAT/GAP
Start	20497	End	20929
GI	286549	Score	609
Exons	20497..20759, 20861..20929		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o4.ts	Method	TBLASTX:Soybean
Start	6178	End	6332
GI	none	Score	201
Exons	6178..6315, 6189..6332, 6193..6330		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o1.tm	Method	TBLASTX:Maize
Start	6300	End	6684

GI	none	Score	95
Exons	6300..6362, 6301..6360, 6454..6684, 6454..6678, 6548..6679		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o1.tc	Method	TBLASTX:Cress
Start	6616	End	6855
GI	none	Score	264
Exons	6616..6855, 6618..6761, 6643..6810		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o1.ts	Method	TBLASTX:Soybean
Start	7335	End	8721
GI	none	Score	563
Exons	7335..7790, 7336..7806, 7339..7797, 7472..7831, 8589..8720, 8590..8721		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o3.tm	Method	TBLASTX:Maize
Start	7352	End	7593
GI	none	Score	251
Exons	7352..7591, 7353..7589, 7354..7593, 7360..7590		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o2.ts	Method	TBLASTX:Soybean
Start	8996	End	11073
GI	none	Score	236
Exons	8996..9151, 8997..9152, 9040..9153, 10703..10855, 10758..10856, 10770..10859, 10922..11068, 10923..11072, 10924..11073		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o2.tc	Method	TBLASTX:Cress
Start	9051	End	12751
GI	none	Score	102
Exons	9051..9152, 10758..10856, 10924..11073, 10968..11072, 11146..11235, 12385..12414, 12535..12615, 12543..12614, 12689..12751, 12691..12750		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o2.tm	Method	TBLASTX:Maize
Start	11145	End	15847
GI	none	Score	146
Exons	11145..11234, 11146..11238, 11146..11238, 12457..12615, 12467..12601, 12682..12765, 12683..12808, 12690..12773, 12973..13119, 12974..13120, 13034..13126, 13035..13133, 13036..13122, 13889..13966, 13909..13965, 14059..14127,		

14067..14135, 14069..14125, 14166..14321, 14209..14367,
14211..14462, 14212..14340, 14213..14368, 14498..14569,
14500..14592, 14501..14578, 15470..15571, 15481..15570,
15501..15575, 15600..15647, 15600..15647, 15601..15651,
15601..15648, 15736..15756, 15744..15761, 15757..15825,
15761..15847, 15762..15821, 15763..15825

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o3.ts	Method	TBLASTX:Soybean
Start	11170	End	15578
GI	none	Score	114
Exons	11170..11241, 12385..12537, 12390..12464, 12484..12615, 12531..12614, 12682..12765, 12683..12808, 13032..13133, 13033..13122, 13904..13966, 13912..13965, 14067..14135, 14069..14125, 14166..14387, 14213..14281, 14305..14391, 14499..14534, 15470..15517, 15519..15578, 15521..15577		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o1.tw	Method	TBLASTX:Wheat
Start	13904	End	14389
GI	none	Score	83
Exons	13904..13966, 13909..13974, 13909..13965, 14059..14127, 14067..14135, 14069..14125, 14166..14387, 14209..14388, 14213..14389		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o2.gs	Method	GENSCAN
Start	16639	End	20744
GI	none	Score	.6
Exons	16639..16784, 17574..17625, 18424..18480, 18563..18649, 19673..20035, 20071..20244, 20334..20530, 20588..20744		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o5.gp	Method	AAT/GAP
Start	17919	End	18334
GI	3768912	Score	776
Exons	17919..18334		

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o2.np	Method	AAT/NAP
Start	18250	End	19915
GI	4049536	Score	102
Exons	18250..18324, 18424..18594, 19804..19915		
GI Descrip.	(AL034564) dna-directed rna polymerase i subunit [Schizosaccharomyces pombe] gi|6518899|dbj|BAA87928.1| (AB023403) RPA12 [Schizosaccharomyces pombe] gi|6519808|dbj|BAA87930.1| (AB023817) SpRPA12		

[Schizosaccharomyces pombe]

Seq. No.	10801	Seq. ID	OJ990430_12.9927.C7
Gene No.	22990	Strand	-
Start	16639	End	20744
Name	OJ990430_12.9927.C7.o4.tm	Method	TBLASTX:Maize
Start	18256	End	19922
GI	none	Score	52
Exons	18256..18330, 18421..18477, 19628..19714, 19671..19715, 19805..19921, 19806..19922		

Seq. No.	10802	Seq. ID	OJ990430_12.9927.C8
Gene No.	22991	Strand	+
Start	1	End	272
Name	OJ990430_12.9927.C8.o1.gp	Method	AAT/GAP
Start	1	End	272
GI	871497	Score	513
Exons	1..272		
GI Descrip.	1362170/pir||S57448 6.0e-09 DNA binding protein - rice (fragment) >gi_871498_emb_CAA61277_ (X88799) DNA binding protein [Oryza sativa]		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o1.gs	Method	GENSCAN
Start	1572	End	8183
GI	none	Score	.7
Exons	1572..1660, 1865..1939, 2448..2521, 3132..3408, 3995..4489, 5230..8183		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o3.tm	Method	TBLASTX:Maize
Start	3197	End	3401
GI	none	Score	265
Exons	3197..3400, 3198..3401		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o6.ts	Method	TBLASTX:Soybean
Start	3197	End	3416
GI	none	Score	347
Exons	3197..3412, 3198..3413, 3198..3416, 3201..3320		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o4.tc	Method	TBLASTX:Cress
Start	3200	End	4461
GI	none	Score	363
Exons	3200..3412, 3201..3413, 4009..4128, 4072..4254, 4210..4275, 4393..4461		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9

Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o1.np	Method	AAT/NAP
Start	3201	End	8180
GI	3367534	Score	5044
Exons	3201..3408, 3995..4489, 5230..8180		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o5.tm	Method	TBLASTX:Maize
Start	3985	End	5486
GI	none	Score	159
Exons	3985..4278, 3991..4290, 3994..4254, 4051..4278, 4174..4284, 4372..4494, 4384..4479, 4390..4479, 5247..5474, 5247..5486, 5253..5450, 5256..5369		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o5.ts	Method	TBLASTX:Soybean
Start	3991	End	5375
GI	none	Score	119
Exons	3991..4149, 4085..4285, 4087..4287, 4105..4359, 4107..4358, 4253..4360, 4381..4479, 5247..5354, 5292..5375		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o4.ts	Method	TBLASTX:Soybean
Start	5396	End	5741
GI	none	Score	494
Exons	5396..5740, 5400..5741		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o7.ts	Method	TBLASTX:Soybean
Start	5742	End	5915
GI	none	Score	86
Exons	5742..5894, 5743..5907, 5743..5907, 5744..5914, 5745..5915		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o1.tc	Method	TBLASTX:Cress
Start	5799	End	6271
GI	none	Score	684
Exons	5799..6266, 5799..6230, 5861..6271		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o3.ts	Method	TBLASTX:Soybean
Start	5937	End	6311

GI	none	Score	49
Exons	5937..5981, 5965..6060, 5965..6060, 5966..6286, 5967..6311		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o2.tm	Method	TBLASTX:Maize
Start	6219	End	6857
GI	none	Score	395
Exons	6219..6455, 6223..6423, 6224..6454, 6452..6829, 6456..6857, 6456..6851, 6487..6855		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o1.gp	Method	AAT/GAP
Start	6281	End	7731
GI	12998_1.R1084	Score	2730
Exons	6281..7731		
GI Descrip.	'1362170/pir||S57448 6.0e-09 DNA binding protein - rice (fragment) >gi_871498_emb_CAA61277_ (X88799) DNA binding protein [Oryza sativa]'		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o5.tc	Method	TBLASTX:Cress
Start	6321	End	6503
GI	none	Score	276
Exons	6321..6503, 6323..6502		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o2.ts	Method	TBLASTX:Soybean
Start	6366	End	7080
GI	none	Score	849
Exons	6366..7007, 6371..6976, 6802..7080		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o3.tc	Method	TBLASTX:Cress
Start	6504	End	6962
GI	none	Score	559
Exons	6504..6932, 6504..6911, 6512..6928, 6927..6962		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o4.tm	Method	TBLASTX:Maize
Start	6858	End	7013
GI	none	Score	236
Exons	6858..7013, 6860..6979, 6873..7001, 6874..7008		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+

Start	1572	End	8238
Name	OJ990430_12.9927.C9.o1.tm	Method	TBLASTX:Maize
Start	7015	End	8238
GI	none	Score	48
Exons	7015..7050, 7016..7051, 7047..8189, 7048..7086, 7058..7117, 7132..7287, 7181..8224, 7197..8228, 7693..8238		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o1.ts	Method	TBLASTX:Soybean
Start	7224	End	8183
GI	none	Score	849
Exons	7224..7994, 7226..7786, 7617..7910, 7832..7921, 7913..7942, 7963..8163, 7964..8167, 7968..8183, 7980..8165, 8000..8167		

Seq. No.	10803	Seq. ID	OJ990430_12.9927.C9
Gene No.	22992	Strand	+
Start	1572	End	8238
Name	OJ990430_12.9927.C9.o2.tc	Method	TBLASTX:Cress
Start	7593	End	8183
GI	none	Score	349
Exons	7593..7910, 7595..7714, 7608..7907, 7832..7951, 7937..7957, 7960..8142, 7968..8183, 8000..8164		

Seq. No.	10804	Seq. ID	OJ990430_12.9927.C11
Gene No.	22993	Strand	+
Start	28	End	2199
Name	OJ990430_12.9927.C11.o1.tc	Method	TBLASTX:Cress
Start	15	End	1387
GI	none	Score	361
Exons	15..236, 28..237, 935..1054, 998..1180, 1136..1201, 1319..1387		

Seq. No.	10804	Seq. ID	OJ990430_12.9927.C11
Gene No.	22993	Strand	+
Start	28	End	2199
Name	OJ990430_12.9927.C11.o1.tm	Method	TBLASTX:Maize
Start	15	End	228
GI	none	Score	270
Exons	15..227, 16..228		

Seq. No.	10804	Seq. ID	OJ990430_12.9927.C11
Gene No.	22993	Strand	+
Start	28	End	2199
Name	OJ990430_12.9927.C11.o2.ts	Method	TBLASTX:Soybean
Start	16	End	237
GI	none	Score	66
Exons	16..147, 22..237, 24..236		

Seq. No.	10804	Seq. ID	OJ990430_12.9927.C11
Gene No.	22993	Strand	+
Start	28	End	2199
Name	OJ990430_12.9927.C11.o1.gs	Method	GENSCAN
Start	28	End	2103
GI	none	Score	.86
Exons	28..235, 921..1415, 1829..2103		

Seq. No.	10804	Seq. ID	OJ990430_12.9927.C11
Gene No.	22993	Strand	+
Start	28	End	2199
Name	OJ990430_12.9927.C11.o1.np	Method	AAT/NAP
Start	28	End	2199
GI	3367534	Score	1745
Exons	28..235, 921..1415, 1829..2199		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	10804	Seq. ID	OJ990430_12.9927.C11
Gene No.	22993	Strand	+
Start	28	End	2199
Name	OJ990430_12.9927.C11.o2.tm	Method	TBLASTX:Maize
Start	911	End	2085
GI	none	Score	164
Exons	911..1204, 917..1216, 920..1180, 977..1204, 1100..1210, 1298..1432, 1307..1423, 1310..1405, 1316..1405, 1822..2085, 1846..2073, 1852..2049, 1855..1968		

Seq. No.	10804	Seq. ID	OJ990430_12.9927.C11
Gene No.	22993	Strand	+
Start	28	End	2199
Name	OJ990430_12.9927.C11.o1.ts	Method	TBLASTX:Soybean
Start	917	End	2028
GI	none	Score	119
Exons	917..1075, 1031..1285, 1033..1284, 1139..1201, 1164..1286, 1307..1405, 1846..1953, 1891..2028		

Seq. No.	10804	Seq. ID	OJ990430_12.9927.C11
Gene No.	22993	Strand	+
Start	28	End	2199
Name	OJ990430_12.9927.C11.o3.ts	Method	TBLASTX:Soybean
Start	2029	End	2199
GI	none	Score	241
Exons	2029..2199, 2029..2190, 2031..2192		

Seq. No.	10805	Seq. ID	OJ990430_12.9927.C12
Gene No.	22994	Strand	+
Start	1	End	717
Name	OJ990430_12.9927.C12.o1.np	Method	AAT/NAP
Start	1	End	717
GI	3367534	Score	897
Exons	1..717		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	10805	Seq. ID	OJ990430_12.9927.C12
Gene No.	22994	Strand	+
Start	1	End	717
Name	OJ990430_12.9927.C12.o2.ts	Method	TBLASTX:Soybean
Start	2	End	170
GI	none	Score	232
Exons	2..169, 3..170		

Seq. No.	10805	Seq. ID	OJ990430_12.9927.C12
Gene No.	22994	Strand	+

Start	1	End	717
Name	OJ990430_12.9927.C12.o1.tm	Method	TBLASTX:Maize
Start	24	End	655
GI	none	Score	395
Exons	24..260, 28..228, 29..259, 257..655, 261..653		

Seq. No.	10805	Seq. ID	OJ990430_12.9927.C12
Gene No.	22994	Strand	+
Start	1	End	717
Name	OJ990430_12.9927.C12.o1.gp	Method	AAT/GAP
Start	86	End	654
GI	12998_1.R1084	Score	1104
Exons	86..654		
GI Descrip.	'1362170/pir||S57448 6.0e-09 DNA binding protein - rice (fragment) >gi_871498_emb_CAA61277_ (X88799) DNA binding protein [Oryza sativa]'		

Seq. No.	10805	Seq. ID	OJ990430_12.9927.C12
Gene No.	22994	Strand	+
Start	1	End	717
Name	OJ990430_12.9927.C12.o1.tc	Method	TBLASTX:Cress
Start	126	End	485
GI	none	Score	504
Exons	126..485, 128..469		

Seq. No.	10805	Seq. ID	OJ990430_12.9927.C12
Gene No.	22994	Strand	+
Start	1	End	717
Name	OJ990430_12.9927.C12.o1.ts	Method	TBLASTX:Soybean
Start	171	End	653
GI	none	Score	663
Exons	171..653, 176..652		

Seq. No.	10805	Seq. ID	OJ990430_12.9927.C12
Gene No.	22994	Strand	+
Start	1	End	717
Name	OJ990430_12.9927.C12.o2.tc	Method	TBLASTX:Cress
Start	492	End	653
GI	none	Score	203
Exons	492..653, 500..652, 513..653		

Seq. No.	10806	Seq. ID	OJ990430_12.9927.C16
Gene No.	22995	Strand	+
Start	40	End	102
Name	OJ990430_12.9927.C16.o1.gs	Method	GENSCAN
Start	40	End	102
GI	none	Score	.82
Exons	40..102		

Seq. No.	10807	Seq. ID	OJ990430_12.9927.C17
Gene No.	22996	Strand	+
Start	1	End	122
Name	OJ990430_12.9927.C17.o1.gp	Method	AAT/GAP
Start	1	End	122
GI	5771216	Score	210
Exons	1..122		
GI Descrip.	1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa		

pathogenesis-related protein class 1 (PR-1) gene, complete cds

Seq. No.	10808	Seq. ID	OJ990430_12.9927.C18
Gene No.	22997	Strand	+
Start	385	End	620
Name	OJ990430_12.9927.C18.o1.ts	Method	TBLASTX:Soybean
Start	381	End	611
GI	none	Score	119
Exons	381..539, 477..596, 495..611, 496..597, 497..610		

Seq. No.	10808	Seq. ID	OJ990430_12.9927.C18
Gene No.	22997	Strand	+
Start	385	End	620
Name	OJ990430_12.9927.C18.o1.gs	Method	GENSCAN
Start	385	End	500
GI	none	Score	.46
Exons	385..500		

Seq. No.	10808	Seq. ID	OJ990430_12.9927.C18
Gene No.	22997	Strand	+
Start	385	End	620
Name	OJ990430_12.9927.C18.o1.np	Method	AAT/NAP
Start	385	End	620
GI	4567286	Score	366
Exons	385..620		
GI Descrip.	(AC006841) coatomer alpha subunit [Arabidopsis thaliana]		

Seq. No.	10809	Seq. ID	OJ990430_12.9927.C19
Gene No.	22998	Strand	+
Start	83	End	174
Name	OJ990430_12.9927.C19.o1.gs	Method	GENSCAN
Start	83	End	174
GI	none	Score	.64
Exons	83..174		

Seq. No.	10810	Seq. ID	OJ990330_15.9923.C1
Gene No.	22999	Strand	-
Start	1	End	4955
Name	OJ990330_15.9923.C1.o1.np	Method	AAT/NAP
Start	1	End	4955
GI	103705	Score	195
Exons	1..152, 933..1892, 4929..4955		
GI Descrip.	fibrinogen alpha chain - lamprey (fragment)		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23000	Strand	+
Start	99	End	3364
Name	OJ990330_15.9923.C2.o1.gs	Method	GENSCAN
Start	99	End	3261
GI	none	Score	.79
Exons	99..329, 671..1006, 1722..2277, 2368..2575, 2670..3036, 3139..3261		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23000	Strand	+
Start	99	End	3364
Name	OJ990330_15.9923.C2.o1.np	Method	AAT/NAP

Start	189	End	3279
GI	3024871	Score	1166
Exons	189..329, 671..1006, 1722..2277, 2368..2554, 2670..3036, 3136..3279		
GI Descrip.	HYPOTHETICAL 77.3 KD PROTEIN SLL0005 gi|1001579|dbj|BAA10206| (D64000) ABC1-like [Synechocystis sp.]		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23000	Strand	+
Start	99	End	3364
Name	OJ990330_15.9923.C2.o1.gp	Method	AAT/GAP
Start	2138	End	3364
GI	10306_1.R1084	Score	1703
Exons	2138..2277, 2368..2554, 2670..3036, 3139..3364		
GI Descrip.	'3024871/sp|Q55680|Y005_SYNY3 2.0e-43 HYPOTHETICAL 77.3 KD PROTEIN SLL0005 >gi_1001579_dbj_BAA10206_ (D64000) ABC1-like [Synechocystis sp.]'		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23001	Strand	+
Start	4109	End	4385
Name	OJ990330_15.9923.C2.o2.gs	Method	GENSCAN
Start	4109	End	4385
GI	none	Score	.7
Exons	4109..4118, 4363..4385		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23002	Strand	+
Start	5506	End	10077
Name	OJ990330_15.9923.C2.o2.gp	Method	AAT/GAP
Start	5457	End	10077
GI	413_1.R1084	Score	1635
Exons	5457..5801, 7903..7948, 8057..8182, 8279..8335, 9100..9177, 9831..10077		
GI Descrip.	'349104 1.0e-126 (L19436) manganese-superoxide dismutase [Oryza sativa]'		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23002	Strand	+
Start	5506	End	10077
Name	OJ990330_15.9923.C2.o2.np	Method	AAT/NAP
Start	5506	End	9920
GI	349104	Score	1029
Exons	5506..5801, 7903..7948, 8057..8182, 8279..8335, 9100..9177, 9831..9920		
GI Descrip.	(L19436) manganese-superoxide dismutase [Oryza sativa] gi|6440980|dbj|BAA86897.1| (AB026725) manganese-superoxide dismutase [Oryza sativa]		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23002	Strand	+
Start	5506	End	10077
Name	OJ990330_15.9923.C2.o3.gs	Method	GENSCAN
Start	5506	End	9923
GI	none	Score	.89
Exons	5506..5919, 8057..8182, 8279..8335, 9100..9177, 9831..9923		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23003	Strand	+
Start	11286	End	13031
Name	OJ990330_15.9923.C2.o4.gs	Method	GENSCAN
Start	11286	End	13031
GI	none	Score	.79
Exons	11286..13031		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23004	Strand	+
Start	17759	End	19193
Name	OJ990330_15.9923.C2.o6.gs	Method	GENSCAN
Start	17759	End	19193
GI	none	Score	.63
Exons	17759..17892, 18968..19193		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23005	Strand	+
Start	21847	End	24858
Name	OJ990330_15.9923.C2.o4.np	Method	AAT/NAP
Start	21847	End	24858
GI	2832637	Score	244
Exons	21847..21895, 23118..23874, 24836..24858		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23005	Strand	+
Start	21847	End	24858
Name	OJ990330_15.9923.C2.o3.np	Method	AAT/NAP
Start	22880	End	24858
GI	4680182	Score	273
Exons	22880..23371, 24819..24858		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp..indica]		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23005	Strand	+
Start	21847	End	24858
Name	OJ990330_15.9923.C2.o8.gs	Method	GENSCAN
Start	22886	End	24847
GI	none	Score	.72
Exons	22886..24847		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23005	Strand	+
Start	21847	End	24858
Name	OJ990330_15.9923.C2.o5.np	Method	AAT/NAP
Start	24610	End	24824
GI	2832636	Score	87
Exons	24610..24824		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23006	Strand	-
Start	13803	End	16856
Name	OJ990330_15.9923.C2.o5.gs	Method	GENSCAN
Start	13803	End	16856
GI	none	Score	.86

Exons	13803..13910, 14142..14204, 14312..14515, 15125..15224, 15319..15519, 16249..16856		
Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o4.tm	Method	TBLASTX:Maize
Start	96	End	830
GI	none	Score	316
Exons	96..329, 96..164, 125..277, 216..329, 224..331, 661..825, 663..830, 665..829		
Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o3.tc	Method	TBLASTX:Cress
Start	198	End	1820
GI	none	Score	197
Exons	198..335, 203..277, 216..329, 665..1006, 665..1006, 838..1008, 913..1008, 1716..1820, 1720..1815, 1721..1816		
Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o3.ts	Method	TBLASTX:Soybean
Start	267	End	1013
GI	none	Score	110
Exons	267..329, 660..875, 665..1006, 665..748, 670..855, 785..1006, 795..1013, 940..1008		
Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o1.tm	Method	TBLASTX:Maize
Start	831	End	2519
GI	none	Score	260
Exons	831..1010, 833..1006, 833..1018, 1716..2048, 1716..2045, 1720..2049, 1721..2050, 2036..2086, 2049..2276, 2052..2276, 2126..2305, 2366..2518, 2367..2519		
Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o2.ts	Method	TBLASTX:Soybean
Start	1725	End	2026
GI	none	Score	488
Exons	1725..2024, 1728..2024, 1730..2026, 1730..2026		
Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o2.tc	Method	TBLASTX:Cress
Start	1821	End	2231
GI	none	Score	610
Exons	1821..2231, 1823..2104, 1827..2228, 2156..2230		
Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2

Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o1.ts	Method	TBLASTX:Soybean
Start	2027	End	2772
GI	none	Score	370
Exons	2027..2275, 2034..2276, 2366..2554, 2367..2555, 2377..2556, 2667..2771, 2668..2772		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o1.tc	Method	TBLASTX:Cress
Start	2414	End	3227
GI	none	Score	238
Exons	2414..2554, 2415..2555, 2422..2556, 2667..2786, 2668..2793, 2671..2799, 2672..2806, 2793..3038, 2794..3039, 2949..3041, 3133..3192, 3138..3227		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o2.tm	Method	TBLASTX:Maize
Start	2758	End	3308
GI	none	Score	411
Exons	2758..3039, 2761..3036, 2763..3038, 3127..3207, 3133..3192, 3135..3266, 3264..3305, 3267..3308, 3272..3307		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o3.tm	Method	TBLASTX:Maize
Start	5498	End	5802
GI	none	Score	54
Exons	5498..5542, 5505..5540, 5580..5801, 5581..5802		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o4.tc	Method	TBLASTX:Cress
Start	5503	End	9922
GI	none	Score	345
Exons	5503..5802, 5643..5681, 5745..5801, 7904..7948, 8035..8217, 8036..8182, 8278..8331, 8279..8335, 9097..9177, 9099..9176, 9821..9904, 9822..9908, 9825..9911, 9827..9922		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o4.ts	Method	TBLASTX:Soybean
Start	5581	End	8104
GI	none	Score	291
Exons	5581..5802, 5643..5693, 5761..5805, 7904..7945, 8036..8104		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o5.tm	Method	TBLASTX:Maize

Start	7895	End	10107
GI	none	Score	57
Exons	7895..7951, 7904..7948, 8036..8182, 8056..8181, 8078..8182, 8278..8331, 8279..8335, 8279..8335, 9086..9175, 9096..9176, 9097..9177, 9099..9176, 9786..9932, 9826..9936, 9827..9937, 9827..9922, 9983..10048, 9987..10049, 9988..10056, 9988..10107		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o1.tw	Method	TBLASTX:Wheat
Start	8086	End	10053
GI	none	Score	159
Exons	8086..8181, 8086..8181, 8087..8182, 8278..8331, 8279..8335, 9086..9175, 9097..9177, 9099..9176, 9780..9890, 9786..9923, 9827..9925, 9827..9931, 10010..10051, 10015..10053		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o5.tc	Method	TBLASTX:Cress
Start	15357	End	16365
GI	none	Score	105
Exons	15357..15506, 15357..15524, 15376..15525, 16282..16365		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23007	Strand	-
Start	20735	End	21530
Name	OJ990330_15.9923.C2.o7.gs	Method	GENSCAN
Start	20735	End	21530
GI	none	Score	.99
Exons	20735..20974, 21525..21530		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23008	Strand	
Start	22903	End	23392
Name	OJ990330_15.9923.C2.o5.ts	Method	TBLASTX:Soybean
Start	22903	End	23206
GI	none	Score	148
Exons	22903..23079, 22904..23104, 23133..23204, 23135..23206		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23008	Strand	
Start	22903	End	23392
Name	OJ990330_15.9923.C2.o6.tc	Method	TBLASTX:Cress
Start	22904	End	23206
GI	none	Score	149
Exons	22904..23128, 23132..23206		

Seq. No.	10811	Seq. ID	OJ990330_15.9923.C2
Gene No.	23008	Strand	
Start	22903	End	23392
Name	OJ990330_15.9923.C2.o6.tm	Method	TBLASTX:Maize
Start	22958	End	23392
GI	none	Score	102
Exons	22958..23080, 22960..23097, 23117..23203, 23117..23263, 23273..23392, 23323..23361		

Seq. No.	10812	Seq. ID	OJ990330_15.9923.C3
Gene No.	23009	Strand	+
Start	118	End	3093
Name	OJ990330_15.9923.C3.o1.gs	Method	GENSCAN
Start	118	End	3093
GI	none	Score	.74
Exons	118..219, 2373..2463, 2498..3093		

Seq. No.	10812	Seq. ID	OJ990330_15.9923.C3
Gene No.	23010	Strand	-
Start	4378	End	5409
Name	OJ990330_15.9923.C3.o2.gs	Method	GENSCAN
Start	4378	End	5409
GI	none	Score	.96
Exons	4378..5409		

Seq. No.	10812	Seq. ID	OJ990330_15.9923.C3
Gene No.	23011	Strand	-
Start	6260	End	7282
Name	OJ990330_15.9923.C3.o3.gs	Method	GENSCAN
Start	6260	End	7282
GI	none	Score	.95
Exons	6260..7282		

Seq. No.	10812	Seq. ID	OJ990330_15.9923.C3
Gene No.	23012	Strand	-
Start	7636	End	9153
Name	OJ990330_15.9923.C3.o4.gs	Method	GENSCAN
Start	7636	End	9153
GI	none	Score	.62
Exons	7636..8315, 8731..9005, 9146..9153		

Seq. No.	10812	Seq. ID	OJ990330_15.9923.C3
Gene No.	23012	Strand	-
Start	7636	End	9153
Name	OJ990330_15.9923.C3.o1.np	Method	AAT/NAP
Start	8648	End	8823
GI	886040	Score	74
Exons	8648..8823		
GI Descrip.	(U25131) ORFtxe1 [Clostridium difficile] gi|1770132|emb|CAA63561| (X92982) tcdD [Clostridium difficile]		

Seq. No.	10813	Seq. ID	OJ990330_15.9923.C5
Gene No.	23013	Strand	-
Start	669	End	1631
Name	OJ990330_15.9923.C5.o1.gs	Method	GENSCAN
Start	669	End	1631
GI	none	Score	.5
Exons	669..989, 1378..1631		

Seq. No.	10814	Seq. ID	OJ990330_15.9923.C6
Gene No.	23014	Strand	+
Start	280	End	326
Name	OJ990330_15.9923.C6.o1.gs	Method	GENSCAN
Start	280	End	326
GI	none	Score	.45

Exons	280..326		
Seq. No.	10814	Seq. ID	OJ990330_15.9923.C6
Gene No.	23015	Strand	-
Start	1294	End	1996
Name	OJ990330_15.9923.C6.o2.gs	Method	GENSCAN
Start	1294	End	1996
GI	none	Score	.93
Exons	1294..1488, 1970..1996		
Seq. No.	10814	Seq. ID	OJ990330_15.9923.C6
Gene No.	23015	Strand	-
Start	1294	End	1996
Name	OJ990330_15.9923.C6.o1.tm	Method	TBLASTX:Maize
Start	1393	End	1720
GI	none	Score	61
Exons	1393..1506, 1394..1507, 1555..1719, 1556..1720		
Seq. No.	10815	Seq. ID	OJ990330_15.9923.C7
Gene No.	23016	Strand	-
Start	1	End	3544
Name	OJ990330_15.9923.C7.o1.np	Method	AAT/NAP
Start	1	End	2558
GI	6630696	Score	1312
Exons	1..30, 1621..2558		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	10815	Seq. ID	OJ990330_15.9923.C7
Gene No.	23016	Strand	-
Start	1	End	3544
Name	OJ990330_15.9923.C7.o1.gs	Method	GENSCAN
Start	1621	End	3544
GI	none	Score	.6
Exons	1621..1697, 1904..2264, 2289..2661, 2961..3075, 3118..3252, 3448..3544		
Seq. No.	10815	Seq. ID	OJ990330_15.9923.C7
Gene No.	23016	Strand	-
Start	1	End	3544
Name	OJ990330_15.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	2208	End	2517
GI	none	Score	122
Exons	2208..2516, 2211..2477, 2284..2517		
Seq. No.	10815	Seq. ID	OJ990330_15.9923.C7
Gene No.	23016	Strand	-
Start	1	End	3544
Name	OJ990330_15.9923.C7.o1.tw	Method	TBLASTX:Wheat
Start	2268	End	2663
GI	none	Score	149
Exons	2268..2477, 2268..2489, 2287..2514, 2470..2646, 2529..2663		
Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23017	Strand	+
Start	502	End	3281

Name	OJ990330_15.9923.C9.o1.gs	Method	GENSCAN
Start	502	End	3281
GI	none	Score	.48
Exons	502..581, 2794..3281		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23018	Strand	+
Start	14334	End	18471
Name	OJ990330_15.9923.C9.o6.gs	Method	GENSCAN
Start	14334	End	18330
GI	none	Score	.42
Exons	14334..14496, 14567..14703, 15746..15892, 16152..16548, 16855..16990, 17096..17233, 17997..18330		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23018	Strand	+
Start	14334	End	18471
Name	OJ990330_15.9923.C9.o2.gp	Method	AAT/GAP
Start	18228	End	18471
GI	none	Score	421
Exons	18228..18471		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23019	Strand	+
Start	23188	End	25162
Name	OJ990330_15.9923.C9.o3.np	Method	AAT/NAP
Start	23188	End	25162
GI	3327392	Score	62
Exons	23188..23398, 25139..25162		
GI Descrip.	(AC004483) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23020	Strand	+
Start	26032	End	26815
Name	OJ990330_15.9923.C9.o4.np	Method	AAT/NAP
Start	24784	End	26746
GI	1946376	Score	146
Exons	24784..24813, 26504..26746		
GI Descrip.	(U93215) unknown protein [Arabidopsis thaliana]		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23020	Strand	+
Start	26032	End	26815
Name	OJ990330_15.9923.C9.o8.gs	Method	GENSCAN
Start	26032	End	26815
GI	none	Score	.79
Exons	26032..26504, 26509..26763, 26794..26815		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23021	Strand	+
Start	29102	End	29354
Name	OJ990330_15.9923.C9.o3.gp	Method	AAT/GAP
Start	29102	End	29354
GI	none	Score	482
Exons	29102..29354		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23022	Strand	-
Start	7424	End	8386
Name	OJ990330_15.9923.C9.o3.gs	Method	GENSCAN
Start	7424	End	8386
GI	none	Score	1
Exons	7424..8386		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23023	Strand	-
Start	10781	End	16314
Name	OJ990330_15.9923.C9.o1.gp	Method	AAT/GAP
Start	10781	End	11332
GI	none	Score	1055
Exons	10781..11332		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23023	Strand	-
Start	10781	End	16314
Name	OJ990330_15.9923.C9.o1.np	Method	AAT/NAP
Start	10945	End	16031
GI	5923669	Score	100
Exons	10945..10975, 14227..14492, 15962..16031		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23023	Strand	-
Start	10781	End	16314
Name	OJ990330_15.9923.C9.o5.gs	Method	GENSCAN
Start	12878	End	13457
GI	none	Score	.63
Exons	12878..13209, 13439..13457		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23023	Strand	-
Start	10781	End	16314
Name	OJ990330_15.9923.C9.o2.np	Method	AAT/NAP
Start	13242	End	16314
GI	1430848	Score	91
Exons	13242..13372, 14566..14858, 16276..16314		
GI Descrip.	(X99134) transcription factor [Lycopersicon esculentum]		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23024	Strand	-
Start	29126	End	29332
Name	OJ990330_15.9923.C9.o3.tm	Method	TBLASTX:Maize
Start	12145	End	12327
GI	none	Score	151
Exons	12145..12327, 12149..12286		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23024	Strand	-
Start	29126	End	29332
Name	OJ990330_15.9923.C9.o2.tm	Method	TBLASTX:Maize
Start	13071	End	13336
GI	none	Score	71
Exons	13071..13124, 13093..13158, 13106..13168, 13113..13166,		

13250..13330, 13253..13336

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23024	Strand	-
Start	29126	End	29332
Name	OJ990330_15.9923.C9.o1.tm	Method	TBLASTX:Maize
Start	14591	End	14904
GI	none	Score	56
Exons	14591..14635, 14602..14691, 14639..14698, 14733..14891, 14734..14904		

Seq. No.	10816	Seq. ID	OJ990330_15.9923.C9
Gene No.	23024	Strand	-
Start	29126	End	29332
Name	OJ990330_15.9923.C9.o9.gs	Method	GENSCAN
Start	29126	End	29332
GI	none	Score	.61
Exons	29126..29332		

Seq. No.	10817	Seq. ID	OJ990330_15.9923.C10
Gene No.	23025	Strand	+
Start	1	End	182
Name	OJ990330_15.9923.C10.o1.gp	Method	AAT/GAP
Start	1	End	182
GI	none	Score	339
Exons	1..182		

Seq. No.	10817	Seq. ID	OJ990330_15.9923.C10
Gene No.	23026	Strand	+
Start	176	End	412
Name	OJ990330_15.9923.C10.o1.gs	Method	GENSCAN
Start	176	End	412
GI	none	Score	.91
Exons	176..412		

Seq. No.	10818	Seq. ID	OJ990330_15.9923.C11
Gene No.	23027	Strand	+
Start	3407	End	5110
Name	OJ990330_15.9923.C11.o1.gs	Method	GENSCAN
Start	3407	End	5110
GI	none	Score	1
Exons	3407..5110		

Seq. No.	10818	Seq. ID	OJ990330_15.9923.C11
Gene No.	23028	Strand	+
Start	11251	End	14191
Name	OJ990330_15.9923.C11.o1.np	Method	AAT/NAP
Start	11251	End	14191
GI	3645898	Score	617
Exons	11251..11277, 12476..13444, 13508..13980, 14044..14191		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	10818	Seq. ID	OJ990330_15.9923.C11
Gene No.	23028	Strand	+
Start	11251	End	14191
Name	OJ990330_15.9923.C11.o1.tm	Method	TBLASTX:Maize

Start	12704	End	13108
GI	none	Score	247
Exons	12704..13108		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23029	Strand	+
Start	1	End	204
Name	OJ990330_15.9923.C12.o1.np	Method	AAT/NAP
Start	1	End	204
GI	4416301	Score	101
Exons	1..204		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23030	Strand	+
Start	220	End	6130
Name	OJ990330_15.9923.C12.o1.gs	Method	GENSCAN
Start	220	End	6130
GI	none	Score	.46
Exons	220..363, 472..1941, 2062..2192, 2313..2674, 2705..2862, 3043..3091, 3263..3530, 4606..6130		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23030	Strand	+
Start	220	End	6130
Name	OJ990330_15.9923.C12.o2.np	Method	AAT/NAP
Start	274	End	3534
GI	4416302	Score	3930
Exons	274..1763, 1837..3534		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23031	Strand	+
Start	13236	End	14928
Name	OJ990330_15.9923.C12.o4.np	Method	AAT/NAP
Start	13186	End	14928
GI	6907087	Score	1060
Exons	13186..13555, 13602..14287, 14827..14928		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23031	Strand	+
Start	13236	End	14928
Name	OJ990330_15.9923.C12.o3.gs	Method	GENSCAN
Start	13236	End	14388
GI	none	Score	.41
Exons	13236..13321, 13505..13607, 13792..14388		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23032	Strand	+
Start	15572	End	19981
Name	OJ990330_15.9923.C12.o2.gp	Method	AAT/GAP
Start	15394	End	15776
GI	uC-osflcyp033a04b1	Score	668
Exons	15394..15776		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23032	Strand	+
Start	15572	End	19981
Name	OJ990330_15.9923.C12.o4.gs	Method	GENSCAN
Start	15572	End	19981
GI	none	Score	.74
Exons	15572..15648, 15683..15728, 16789..19112, 19660..19696, 19862..19981		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23032	Strand	+
Start	15572	End	19981
Name	OJ990330_15.9923.C12.o6.np	Method	AAT/NAP
Start	16921	End	19710
GI	5441880	Score	1714
Exons	16921..17932, 18377..18405, 18664..18993, 19594..19710		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23032	Strand	+
Start	15572	End	19981
Name	OJ990330_15.9923.C12.o7.np	Method	AAT/NAP
Start	17443	End	19050
GI	6815062	Score	510
Exons	17443..17974, 18002..18140, 18258..19050		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23033	Strand	-
Start	6871	End	13077
Name	OJ990330_15.9923.C12.o2.gs	Method	GENSCAN
Start	6871	End	11189
GI	none	Score	.59
Exons	6871..6943, 8003..8130, 8590..8691, 9629..9733, 11157..11189		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23033	Strand	-
Start	6871	End	13077
Name	OJ990330_15.9923.C12.o3.np	Method	AAT/NAP
Start	8411	End	13077
GI	5852181	Score	128
Exons	8411..8430, 9683..9981, 13041..13077		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23033	Strand	-
Start	6871	End	13077
Name	OJ990330_15.9923.C12.o1.gp	Method	AAT/GAP
Start	11780	End	11835
GI	LIB3431-030-P1-N1-G8	Score	83

Exons	11780..11835		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o8.tm	Method	TBLASTX:Maize
Start	115	End	402
GI	none	Score	79
Exons	115..168, 118..168, 120..176, 174..299, 178..402, 184..390		
Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o4.tm	Method	TBLASTX:Maize
Start	466	End	858
GI	none	Score	140
Exons	466..585, 583..858, 583..849, 591..857		
Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o1.tw	Method	TBLASTX:Wheat
Start	625	End	1197
GI	none	Score	274
Exons	625..873, 627..857, 887..919, 909..1196, 913..1197		
Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o2.tm	Method	TBLASTX:Maize
Start	862	End	1638
GI	none	Score	101
Exons	862..933, 864..935, 867..1511, 934..1524, 934..1554, 1013..1546, 1555..1638		
Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o3.ts	Method	TBLASTX:Soybean
Start	1042	End	1524
GI	none	Score	244
Exons	1042..1353, 1062..1247, 1278..1346, 1402..1524		
Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o6.tw	Method	TBLASTX:Wheat
Start	1285	End	1543
GI	none	Score	106
Exons	1285..1356, 1362..1511, 1375..1524, 1399..1524, 1484..1543		
Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o5.tm	Method	TBLASTX:Maize

Start	1834	End	2163
GI	none	Score	427
Exons	1834..2163, 1870..2160, 1872..2162		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	1896	End	2504
GI	5509260	Score	216
Exons	1896..2105, 1897..2109, 1897..2133, 2113..2502, 2121..2504, 2121..2504		
GI Descrip.	-		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o2.tw	Method	TBLASTX:Wheat
Start	2038	End	2496
GI	none	Score	73
Exons	2038..2109, 2141..2161, 2142..2474, 2143..2490, 2145..2291, 2228..2362, 2322..2477, 2392..2496		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o2.tc	Method	TBLASTX:Cress
Start	2104	End	2385
GI	none	Score	204
Exons	2104..2385, 2124..2258		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o3.tm	Method	TBLASTX:Maize
Start	2164	End	2631
GI	none	Score	663
Exons	2164..2631, 2166..2630		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o7.tm	Method	TBLASTX:Maize
Start	2653	End	2856
GI	none	Score	257
Exons	2653..2856, 2673..2855		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o4.tw	Method	TBLASTX:Wheat
Start	2674	End	3090
GI	none	Score	95
Exons	2674..2838, 2854..3090		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-

Start	15323	End	17271
Name	OJ990330_15.9923.C12.o1.tm	Method	TBLASTX:Maize
Start	2857	End	3522
GI	none	Score	994
Exons	2857..3522, 2865..3467, 3238..3519		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o2.ts	Method	TBLASTX:Soybean
Start	2875	End	3516
GI	none	Score	297
Exons	2875..3273, 3084..3263, 3283..3516		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o1.tc	Method	TBLASTX:Cress
Start	3055	End	3513
GI	none	Score	71
Exons	3055..3144, 3148..3282, 3268..3513		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o5.tw	Method	TBLASTX:Wheat
Start	3100	End	3468
GI	none	Score	107
Exons	3100..3270, 3168..3269, 3286..3468, 3351..3467		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23034	Strand	-
Start	15323	End	17271
Name	OJ990330_15.9923.C12.o5.np	Method	AAT/NAP
Start	15323	End	17271
GI	4680186	Score	246
Exons	15323..15527, 17142..17271		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23035	Strand	
Start	17488	End	18159
Name	OJ990330_15.9923.C12.o6.tm	Method	TBLASTX:Maize
Start	17488	End	18084
GI	none	Score	364
Exons	17488..17955, 17493..17966, 18013..18084		

Seq. No.	10819	Seq. ID	OJ990330_15.9923.C12
Gene No.	23035	Strand	
Start	17488	End	18159
Name	OJ990330_15.9923.C12.o3.tw	Method	TBLASTX:Wheat
Start	17782	End	18159
GI	none	Score	191
Exons	17782..17931, 17784..17936, 17785..17961, 17985..18053, 17986..18159, 18008..18148		

Seq. No.	10820	Seq. ID	OJ990330_16.9923.C2

Gene No.	23036	Strand	+
Start	291	End	686
Name	OJ990330_16.9923.C2.o1.gs	Method	GENSCAN
Start	291	End	686
GI	none	Score	.99
Exons	291..313, 461..686		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23037	Strand	+
Start	564	End	2312
Name	OJ990330_16.9923.C3.o1.gp	Method	AAT/GAP
Start	564	End	2312
GI	11108_1.R1084	Score	1715
Exons	564..974, 1784..2312		
GI Descrip.	'4455256/emb|CAB36755.1| 7.0e-44 (AL035523) protein-methionine-S-oxide reductase [Arabidopsis thaliana]'		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23037	Strand	+
Start	564	End	2312
Name	OJ990330_16.9923.C3.o1.np	Method	AAT/NAP
Start	638	End	2017
GI	1709692	Score	599
Exons	638..973, 1784..2017		
GI Descrip.	PEPTIDE METHIONINE SULFOXIDE REDUCTASE (PEPTIDE MET(O) REDUCTASE) (FRUIT-RIPENING PROTEIN E4) gi|100204|pir||JQ0988 DNA-binding E4 protein - Tomato		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23037	Strand	+
Start	564	End	2312
Name	OJ990330_16.9923.C3.o1.gs	Method	GENSCAN
Start	647	End	2020
GI	none	Score	.95
Exons	647..973, 1784..2020		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23038	Strand	+
Start	2972	End	4009
Name	OJ990330_16.9923.C3.o2.gs	Method	GENSCAN
Start	2972	End	4009
GI	none	Score	.74
Exons	2972..4009		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23039	Strand	+
Start	5874	End	6920
Name	OJ990330_16.9923.C3.o3.gs	Method	GENSCAN
Start	5874	End	6920
GI	none	Score	.77
Exons	5874..6920		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23040	Strand	+
Start	28153	End	29949
Name	OJ990330_16.9923.C3.o3.gp	Method	AAT/GAP
Start	26931	End	27173

GI	LIB3434-041-P1-K1-B5	Score	230
Exons	26931..26989, 27087..27173		
GI Descrip.	'629602/pir||S45033 4.0e-33 probable imbibition protein - wild cabbage >gi_488787_emb_CAA55893_ (X79330) putative imbibition protein [Brassica oleracea]'		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23040	Strand	+
Start	28153	End	29949
Name	OJ990330_16.9923.C3.o2.gp	Method	AAT/GAP
Start	26936	End	27126
GI	LIB3434-041-P1-K1-B5	Score	146
Exons	26936..26989, 27087..27126		
GI Descrip.	'629602/pir||S45033 4.0e-33 probable imbibition protein - wild cabbage >gi_488787_emb_CAA55893_ (X79330) putative imbibition protein [Brassica oleracea]'		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23040	Strand	+
Start	28153	End	29949
Name	OJ990330_16.9923.C3.o3.np	Method	AAT/NAP
Start	27071	End	27187
GI	3834330	Score	101
Exons	27071..27187		
GI Descrip.	(AC005679) F9K20.17 [Arabidopsis thaliana]		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23040	Strand	+
Start	28153	End	29949
Name	OJ990330_16.9923.C3.o9.gs	Method	GENSCAN
Start	28153	End	29949
GI	none	Score	.92
Exons	28153..28326, 28921..29191, 29394..29558, 29699..29949		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23040	Strand	+
Start	28153	End	29949
Name	OJ990330_16.9923.C3.o4.np	Method	AAT/NAP
Start	28915	End	29946
GI	2499570	Score	1004
Exons	28915..29191, 29394..29558, 29699..29946		
GI Descrip.	PROTEIN-L-ISOASPARTATE O-METHYLTRANSFERASE (PROTEIN-BETA-ASPARTATE METHYLTRANSFERASE) (PIMT) (PROTEIN L-ISOASPARTYL METHYLTRANSFERASE) (L-ISOASPARTYL PROTEIN CARBOXYL METHYLTRANSFERASE) gi|414332 (L07941) L-isoaspartyl methyltransferase [Triticum aestivum]		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23041	Strand	-
Start	7263	End	18210
Name	OJ990330_16.9923.C3.o4.gs	Method	GENSCAN
Start	7263	End	11455
GI	none	Score	.87
Exons	7263..10215, 10308..10961, 11038..11102, 11240..11455		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23041	Strand	-

Start	7263	End	18210
Name	OJ990330_16.9923.C3.o2.np	Method	AAT/NAP
Start	7293	End	18210
GI	2292907	Score	2631
Exons	7293..9054, 9109..9593, 9675..10215, 10308..10846, 10880..10987, 11192..11443, 18172..18210		
GI Descrip.	(Y10099) P-glycoprotein homologue [Hordeum vulgare]		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23041	Strand	-
Start	7263	End	18210
Name	OJ990330_16.9923.C3.o6.gs	Method	GENSCAN
Start	14293	End	15979
GI	none	Score	.96
Exons	14293..14421, 14709..14778, 14819..14933, 15898..15979		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o2.tm	Method	TBLASTX:Maize
Start	710	End	1860
GI	none	Score	408
Exons	710..781, 746..973, 748..972, 920..973, 1765..1830, 1780..1860, 1781..1858		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o3.tc	Method	TBLASTX:Cress
Start	746	End	2017
GI	none	Score	313
Exons	746..976, 748..960, 1783..1971, 1784..1975, 1973..2017		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o3.ts	Method	TBLASTX:Soybean
Start	746	End	2017
GI	none	Score	312
Exons	746..973, 748..972, 1780..1971, 1781..1975, 1973..2017		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o1.tc	Method	TBLASTX:Cress
Start	7284	End	10982
GI	none	Score	57
Exons	7284..7355, 7338..7715, 7341..7712, 7357..7449, 7360..7467, 7564..7653, 7570..7653, 7698..8027, 7722..8027, 7732..8028, 7732..8028, 7752..8033, 7821..8033, 8091..8465, 8113..8271, 8349..8465, 8526..8864, 8532..8600, 8677..8865, 8682..8867, 9327..9596, 9327..9596, 9343..9594, 9343..9594, 9672..10214, 9672..10091, 9673..10086, 9673..10077, 10346..10375, 10427..10570, 10697..10837, 10701..10841, 10872..10982, 10883..10981		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3

Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o2.ts	Method	TBLASTX:Soybean
Start	7332	End	9981
GI	none	Score	92
Exons	7332..7541, 7539..7706, 7561..7653, 7665..7934, 7732..7932, 9327..9515, 9513..9593, 9532..9594, 9672..9935, 9673..9981		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o1.tm	Method	TBLASTX:Maize
Start	7335	End	10564
GI	none	Score	133
Exons	7335..7556, 7335..7706, 7561..7656, 7722..8027, 7732..8028, 8091..8462, 8532..8864, 8584..8808, 9327..9593, 9352..9594, 9672..9770, 9732..10172, 9766..10095, 10433..10564		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o2.tw	Method	TBLASTX:Wheat
Start	7374	End	9602
GI	none	Score	159
Exons	7374..7625, 7377..7556, 7378..7626, 9348..9602, 9349..9591, 9408..9602		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o5.ts	Method	TBLASTX:Soybean
Start	7935	End	10088
GI	none	Score	114
Exons	7935..8027, 8094..8288, 8110..8292, 9984..10088		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o1.ts	Method	TBLASTX:Soybean
Start	8397	End	9051
GI	none	Score	59
Exons	8397..8468, 8401..8493, 8494..8865, 8517..9050, 8905..9051		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o1.tw	Method	TBLASTX:Wheat
Start	18125	End	18543
GI	none	Score	154
Exons	18125..18268, 18129..18266, 18311..18520, 18336..18521, 18390..18542, 18511..18543		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o5.tm	Method	TBLASTX:Maize
Start	26932	End	27206

GI	none	Score	80
Exons	26932..26988, 26935..26988, 26937..27014, 27071..27196, 27085..27195, 27117..27206		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o2.tc	Method	TBLASTX:Cress
Start	28915	End	29940
GI	none	Score	309
Exons	28915..29193, 28918..29187, 29392..29541, 29393..29554, 29411..29554, 29686..29940, 29697..29930		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o4.ts	Method	TBLASTX:Soybean
Start	28915	End	29554
GI	none	Score	132
Exons	28915..29055, 28918..29073, 29052..29195, 29053..29193, 29392..29433, 29393..29434, 29399..29455, 29434..29544, 29435..29551, 29441..29554		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o3.tm	Method	TBLASTX:Maize
Start	28927	End	29949
GI	none	Score	345
Exons	28927..29193, 28935..29195, 29016..29195, 29374..29541, 29393..29557, 29686..29949, 29689..29940, 29697..29942		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o5.np	Method	AAT/NAP
Start	30832	End	31408
GI	6016723	Score	288
Exons	30832..31149, 31274..31408		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o10.gs	Method	GENSCAN
Start	30835	End	31149
GI	none	Score	.99
Exons	30835..31149		

Seq. No.	10821	Seq. ID	OJ990330_16.9923.C3
Gene No.	23042	Strand	-
Start	30835	End	31408
Name	OJ990330_16.9923.C3.o4.tm	Method	TBLASTX:Maize
Start	30907	End	31157
GI	none	Score	58
Exons	30907..30948, 30907..30951, 30953..31150, 30955..31149, 30961..31152, 31113..31157		

Seq. No.	10822	Seq. ID	OJ990330_16.9923.C4
Gene No.	23043	Strand	+
Start	1960	End	3697
Name	OJ990330_16.9923.C4.o2.np	Method	AAT/NAP
Start	1945	End	3697
GI	6706423	Score	380
Exons	1945..2138, 2231..2457, 2569..2659, 2745..2793, 2941..3032, 3145..3252, 3590..3697		
GI Descrip.	(AL133248) imbibition protein homolog [Arabidopsis thaliana]		

Seq. No.	10822	Seq. ID	OJ990330_16.9923.C4
Gene No.	23043	Strand	+
Start	1960	End	3697
Name	OJ990330_16.9923.C4.o2.gs	Method	GENSCAN
Start	1960	End	3283
GI	none	Score	.69
Exons	1960..2141, 2231..2659, 2745..2793, 2887..3032, 3145..3283		

Seq. No.	10822	Seq. ID	OJ990330_16.9923.C4
Gene No.	23044	Strand	-
Start	1	End	634
Name	OJ990330_16.9923.C4.o1.np	Method	AAT/NAP
Start	1	End	634
GI	6016723	Score	427
Exons	1..634		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10822	Seq. ID	OJ990330_16.9923.C4
Gene No.	23044	Strand	-
Start	1	End	634
Name	OJ990330_16.9923.C4.o1.gs	Method	GENSCAN
Start	64	End	606
GI	none	Score	.85
Exons	64..606		

Seq. No.	10822	Seq. ID	OJ990330_16.9923.C4
Gene No.	23044	Strand	-
Start	1	End	634
Name	OJ990330_16.9923.C4.o2.tm	Method	TBLASTX:Maize
Start	121	End	483
GI	none	Score	89
Exons	121..282, 304..357, 355..483		

Seq. No.	10822	Seq. ID	OJ990330_16.9923.C4
Gene No.	23045	Strand	
Start	2073	End	3700
Name	OJ990330_16.9923.C4.o1.ts	Method	TBLASTX:Soybean
Start	2073	End	3247
GI	none	Score	57
Exons	2073..2138, 2074..2136, 2223..2345, 2253..2339, 2337..2459, 2378..2458, 2932..3030, 2943..3032, 2957..3040, 3137..3247, 3137..3199, 3139..3237		

Seq. No.	10822	Seq. ID	OJ990330_16.9923.C4
Gene No.	23045	Strand	
Start	2073	End	3700

Name	OJ990330_16.9923.C4.o1.tc	Method	TBLASTX:Cress
Start	2074	End	3002
GI	none	Score	50
Exons	2074..2136, 2223..2351, 2312..2458, 2334..2459, 2932..3000, 2943..3002		

Seq. No.	10822	Seq. ID	OJ990330_16.9923.C4
Gene No.	23045	Strand	
Start	2073	End	3700
Name	OJ990330_16.9923.C4.o1.tm	Method	TBLASTX:Maize
Start	2430	End	3700
GI	none	Score	51
Exons	2430..2459, 2432..2458, 2568..2660, 2568..2660, 2711..2788, 2742..2792, 2743..2796, 2746..2793, 2938..3030, 2939..3031, 2940..3026, 3137..3259, 3137..3259, 3142..3264, 3584..3700, 3591..3698		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23046	Strand	+
Start	1	End	2077
Name	OJ990330_16.9923.C5.o1.np	Method	AAT/NAP
Start	1	End	1805
GI	6706423	Score	785
Exons	1..236, 308..449, 537..604, 701..835, 928..1145, 1237..1325, 1521..1805		
GI Descrip.	(AL133248) imbibition protein homolog [Arabidopsis thaliana]		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23046	Strand	+
Start	1	End	2077
Name	OJ990330_16.9923.C5.o1.gs	Method	GENSCAN
Start	10	End	1817
GI	none	Score	.61
Exons	10..236, 308..449, 537..604, 701..835, 1225..1296, 1496..1817		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23046	Strand	+
Start	1	End	2077
Name	OJ990330_16.9923.C5.o1.gp	Method	AAT/GAP
Start	538	End	1062
GI	286621	Score	612
Exons	538..604, 701..835, 928..1062		
GI Descrip.	629602/pir||S45033 4.0e-33 probable imbibition protein - wild cabbage >gi_488787_emb_CAA55893_ (X79330) putative imbibition protein [Brassica oleracea]		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23046	Strand	+
Start	1	End	2077
Name	OJ990330_16.9923.C5.o2.gp	Method	AAT/GAP
Start	1080	End	2077
GI	77883_1.R1084	Score	1312
Exons	1080..1145, 1237..1325, 1521..2077		
GI Descrip.	'282994/pir||S27762 5.0e-18 Sip1 protein - barley >gi_167100 (M77475) seed imbibition protein [Hordeum vulgare]'		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5

Gene No.	23047	Strand	-
Start	2331	End	4823
Name	OJ990330_16.9923.C5.o2.gs	Method	GENSCAN
Start	2331	End	4056
GI	none	Score	.93
Exons	2331..2866, 2934..3454, 3842..4056		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23047	Strand	-
Start	2331	End	4823
Name	OJ990330_16.9923.C5.o2.np	Method	AAT/NAP
Start	2358	End	4532
GI	4850396	Score	1338
Exons	2358..2526, 2554..2866, 2934..3454, 3842..4089, 4200..4532		
GI Descrip.	(AC007357) F3F19.15 [Arabidopsis thaliana]		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23047	Strand	-
Start	2331	End	4823
Name	OJ990330_16.9923.C5.o3.gp	Method	AAT/GAP
Start	4403	End	4823
GI	none	Score	802
Exons	4403..4823		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23048	Strand	-
Start	9627	End	9928
Name	OJ990330_16.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	1872
GI	none	Score	299
Exons	1..234, 1..234, 3..236, 302..445, 304..444, 306..449, 306..449, 521..559, 534..602, 537..602, 541..603, 541..603, 651..833, 698..865, 698..835, 699..869, 925..1146, 926..1159, 935..1147, 1226..1324, 1232..1324, 1233..1328, 1518..1856, 1518..1841, 1519..1872		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23048	Strand	-
Start	9627	End	9928
Name	OJ990330_16.9923.C5.o1.tc	Method	TBLASTX:Cress
Start	3	End	1727
GI	none	Score	208
Exons	3..224, 4..234, 290..418, 300..419, 537..602, 690..830, 698..835, 935..1105, 1536..1640, 1611..1727		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23048	Strand	-
Start	9627	End	9928
Name	OJ990330_16.9923.C5.o1.ts	Method	TBLASTX:Soybean
Start	4	End	1736
GI	none	Score	203
Exons	4..234, 93..224, 266..448, 297..449, 300..449, 537..602, 698..835, 699..827, 925..996, 935..1144, 1536..1736		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23048	Strand	-
Start	9627	End	9928

Name	OJ990330_16.9923.C5.o3.ts	Method	TBLASTX:Soybean
Start	3025	End	7880
GI	none	Score	67
Exons	3025..3072, 3169..3267, 3182..3268, 7640..7879, 7656..7880		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23048	Strand	-
Start	9627	End	9928
Name	OJ990330_16.9923.C5.o4.ts	Method	TBLASTX:Soybean
Start	3361	End	8282
GI	4397405	Score	86
Exons	3361..3456, 3362..3475, 3839..3952, 3841..3948, 7976..8074, 7989..8081, 8148..8279, 8162..8281, 8163..8282		
GI Descrip.	-		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23048	Strand	-
Start	9627	End	9928
Name	OJ990330_16.9923.C5.o2.ts	Method	TBLASTX:Soybean
Start	3952	End	9928
GI	none	Score	57
Exons	3952..4077, 4037..4078, 4197..4505, 4204..4503, 8285..8449, 8289..8423, 9587..9748, 9604..9747, 9753..9926, 9755..9928		

Seq. No.	10823	Seq. ID	OJ990330_16.9923.C5
Gene No.	23048	Strand	-
Start	9627	End	9928
Name	OJ990330_16.9923.C5.o4.gp	Method	AAT/GAP
Start	9627	End	9928
GI	uC-osroM202014g05b1	Score	488
Exons	9627..9928		
GI Descrip.	'4850396/gb|AAD31066.1|AC007357_15 1.0e-19 (AC007357) F3F19.15 [Arabidopsis thaliana]'		

Seq. No.	10824	Seq. ID	OJ990330_16.9923.C6
Gene No.	23049	Strand	+
Start	97	End	264
Name	OJ990330_16.9923.C6.o1.gs	Method	GENSCAN
Start	97	End	264
GI	none	Score	.86
Exons	97..264		

Seq. No.	10824	Seq. ID	OJ990330_16.9923.C6
Gene No.	23050	Strand	+
Start	4195	End	9074
Name	OJ990330_16.9923.C6.o2.np	Method	AAT/NAP
Start	4195	End	6724
GI	5080805	Score	184
Exons	4195..4261, 5994..6724		
GI Descrip.	(AC007258) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10824	Seq. ID	OJ990330_16.9923.C6
Gene No.	23050	Strand	+
Start	4195	End	9074
Name	OJ990330_16.9923.C6.o3.gs	Method	GENSCAN
Start	4976	End	8965
GI	none	Score	.4

Exons 4976..5101, 5264..5403, 5421..5533, 6470..6660, 8649..8965

Seq. No. 10824 Seq. ID OJ990330_16.9923.C6
Gene No. 23050 Strand +
Start 4195 End 9074
Name OJ990330_16.9923.C6.o3.np Method AAT/NAP
Start 8598 End 9074
GI 166949 Score 239
Exons 8598..9074
GI Descrip. (M32885) cytochrome P-450LXXIA1 (cyp71A1) [Persea americana]

Seq. No. 10824 Seq. ID OJ990330_16.9923.C6
Gene No. 23051 Strand -
Start 832 End 4769
Name OJ990330_16.9923.C6.o2.gs Method GENSCAN
Start 832 End 4769
GI none Score .77
Exons 832..842, 2109..2521, 2634..2878, 4362..4769

Seq. No. 10824 Seq. ID OJ990330_16.9923.C6
Gene No. 23051 Strand -
Start 832 End 4769
Name OJ990330_16.9923.C6.o1.np Method AAT/NAP
Start 1051 End 4694
GI 4850396 Score 1257
Exons 1051..1514, 2001..2521, 2634..2878, 4362..4694
GI Descrip. (AC007357) F3F19.15 [Arabidopsis thaliana]

Seq. No. 10824 Seq. ID OJ990330_16.9923.C6
Gene No. 23051 Strand -
Start 832 End 4769
Name OJ990330_16.9923.C6.o2.ts Method TBLASTX:Soybean
Start 2092 End 2332
GI none Score 107
Exons 2092..2331, 2104..2277, 2108..2332

Seq. No. 10824 Seq. ID OJ990330_16.9923.C6
Gene No. 23051 Strand -
Start 832 End 4769
Name OJ990330_16.9923.C6.o1.ts Method TBLASTX:Soybean
Start 2741 End 4668
GI none Score 113
Exons 2741..2875, 2743..2880, 2744..2881, 4347..4667, 4362..4535, 4375..4668

Seq. No. 10824 Seq. ID OJ990330_16.9923.C6
Gene No. 23052 Strand
Start 5740 End 6130
Name OJ990330_16.9923.C6.o1.tw Method TBLASTX:Wheat
Start 5740 End 6130
GI none Score 55
Exons 5740..5772, 5741..5773, 5796..5852, 5814..5855, 5815..5856, 5815..5856, 5839..5916, 5852..5911, 5859..5915, 5865..5936, 5930..5995, 5949..5990, 5951..5992, 5965..5997, 5993..6076, 5998..6063, 6042..6128, 6044..6130

Seq. No. 10825 Seq. ID OJ990330_16.9923.C7

Gene No.	23053	Strand	+
Start	1	End	1078
Name	OJ990330_16.9923.C7.o1.np	Method	AAT/NAP
Start	1	End	1078
GI	5915816	Score	445
Exons	1..125, 466..1078		
GI Descrip.	CYTOCHROME P450 71A9 (P450 CP1) gi|3334659|emb|CAA71513| (Y10489) putative cytochrome P450 [Glycine max]		

Seq. No.	10825	Seq. ID	OJ990330_16.9923.C7
Gene No.	23053	Strand	+
Start	1	End	1078
Name	OJ990330_16.9923.C7.o1.tw	Method	TBLASTX:Wheat
Start	456	End	705
GI	none	Score	229
Exons	456..695, 466..705		

Seq. No.	10825	Seq. ID	OJ990330_16.9923.C7
Gene No.	23053	Strand	+
Start	1	End	1078
Name	OJ990330_16.9923.C7.o1.ts	Method	TBLASTX:Soybean
Start	456	End	993
GI	none	Score	242
Exons	456..701, 457..705, 711..794, 715..795, 871..993, 882..992		

Seq. No.	10825	Seq. ID	OJ990330_16.9923.C7
Gene No.	23053	Strand	+
Start	1	End	1078
Name	OJ990330_16.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	456	End	924
GI	none	Score	254
Exons	456..695, 457..708, 724..795, 871..924		

Seq. No.	10825	Seq. ID	OJ990330_16.9923.C7
Gene No.	23053	Strand	+
Start	1	End	1078
Name	OJ990330_16.9923.C7.o1.tc	Method	TBLASTX:Cress
Start	457	End	1074
GI	none	Score	201
Exons	457..699, 465..701, 723..824, 724..921, 882..992, 1015..1074, 1031..1069		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23054	Strand	+
Start	325	End	10902
Name	OJ990330_16.9923.C8.o1.gs	Method	GENSCAN
Start	325	End	10902
GI	none	Score	.55
Exons	325..1233, 2282..2915, 3054..3082, 3230..3493, 3525..3697, 3816..3932, 6283..6365, 6633..6710, 6981..7079, 7821..7936, 8267..8614, 8638..9450, 9476..9546, 9732..9952, 10325..10684, 10778..10902		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23054	Strand	+
Start	325	End	10902
Name	OJ990330_16.9923.C8.o1.np	Method	AAT/NAP

Start	5643	End	10710
GI	2961349	Score	1891
Exons	5643..5669, 6449..6845, 7407..8644, 9097..10710		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23055	Strand	-
Start	11445	End	14808
Name	OJ990330_16.9923.C8.o2.np	Method	AAT/NAP
Start	11445	End	14808
GI	6635236	Score	956
Exons	11445..12694, 13061..13406, 13505..14055, 14338..14808		
GI Descrip.	(AB029327) elicitor-inducible receptor-like protein EIR [Nicotiana tabacum]		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23056	Strand	-
Start	17792	End	20675
Name	OJ990330_16.9923.C8.o3.gs	Method	GENSCAN
Start	17792	End	20675
GI	none	Score	.87
Exons	17792..17906, 18789..18855, 19221..19511, 20010..20107, 20386..20675		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23056	Strand	-
Start	17792	End	20675
Name	OJ990330_16.9923.C8.o1.gp	Method	AAT/GAP
Start	18407	End	18844
GI	3760557	Score	674
Exons	18407..18714, 18789..18844		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o4.ts	Method	TBLASTX:Soybean
Start	450	End	2818
GI	none	Score	58
Exons	450..518, 457..498, 567..668, 568..687, 697..777, 928..1110, 2272..2376, 2273..2398, 2432..2629, 2476..2628, 2711..2818, 2722..2817		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o3.tc	Method	TBLASTX:Cress
Start	583	End	2890
GI	none	Score	90
Exons	583..777, 2273..2386, 2293..2373, 2432..2629, 2711..2890, 2717..2887		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o8.tm	Method	TBLASTX:Maize
Start	2285	End	2530

GI	none	Score	122
Exons	2285..2401, 2287..2376, 2435..2530, 2444..2503		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o5.tm	Method	TBLASTX:Maize
Start	2563	End	2908
GI	none	Score	330
Exons	2563..2661, 2564..2908, 2711..2896		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o7.tm	Method	TBLASTX:Maize
Start	6273	End	6588
GI	none	Score	70
Exons	6273..6449, 6284..6451, 6295..6462, 6448..6588, 6452..6580, 6459..6587		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o2.tm	Method	TBLASTX:Maize
Start	7657	End	8110
GI	none	Score	87
Exons	7657..7716, 7658..7729, 7750..7989, 7760..7993, 7794..7994, 7805..8008, 8021..8110, 8030..8110		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o2.tw	Method	TBLASTX:Wheat
Start	8018	End	8626
GI	none	Score	290
Exons	8018..8404, 8170..8400, 8419..8496, 8420..8509, 8504..8626, 8518..8556		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o3.tm	Method	TBLASTX:Maize
Start	8111	End	8737
GI	none	Score	344
Exons	8111..8665, 8161..8391, 8633..8737		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o5.ts	Method	TBLASTX:Soybean
Start	8183	End	8644
GI	none	Score	292
Exons	8183..8644, 8257..8484		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864

Name	OJ990330_16.9923.C8.o2.tc	Method	TBLASTX:Cress
Start	8222	End	8647
GI	none	Score	293
Exons	8222..8647, 8224..8373		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o3.ts	Method	TBLASTX:Soybean
Start	9168	End	9665
GI	5509260	Score	408
Exons	9168..9458, 9169..9660, 9389..9541, 9504..9665		
GI Descrip.	-		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o1.tc	Method	TBLASTX:Cress
Start	9295	End	9564
GI	none	Score	302
Exons	9295..9564, 9309..9545		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o1.tw	Method	TBLASTX:Wheat
Start	9345	End	9891
GI	none	Score	290
Exons	9345..9461, 9346..9690, 9504..9635, 9682..9891, 9729..9854		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o4.tm	Method	TBLASTX:Maize
Start	9345	End	9777
GI	none	Score	342
Exons	9345..9437, 9346..9777, 9504..9719		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o5.tc	Method	TBLASTX:Cress
Start	9709	End	10029
GI	none	Score	207
Exons	9709..10029		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o7.ts	Method	TBLASTX:Soybean
Start	9844	End	10020
GI	none	Score	190
Exons	9844..10020, 9846..9989		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864

Name	OJ990330_16.9923.C8.o3.tw	Method	TBLASTX:Wheat
Start	9901	End	10287
GI	none	Score	108
Exons	9901..10020, 10041..10136, 10042..10287, 10235..10276		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	10033	End	10695
GI	none	Score	324
Exons	10033..10389, 10131..10202, 10287..10439, 10470..10544, 10471..10695		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o1.ts	Method	TBLASTX:Soybean
Start	10051	End	10725
GI	none	Score	418
Exons	10051..10398, 10053..10223, 10238..10363, 10284..10562, 10465..10725, 10684..10725		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o2.ts	Method	TBLASTX:Soybean
Start	11648	End	14439
GI	none	Score	38
Exons	11648..12067, 11649..11696, 11735..11980, 11736..12071, 11738..11989, 11738..11980, 11739..11984, 12122..12211, 12254..12514, 12734..12790, 13071..13142, 13112..13306, 13118..13363, 13139..13390, 13199..13387, 13199..13360, 13208..13378, 13501..13665, 13504..13665, 13513..13665, 13516..13614, 13519..13665, 13519..13626, 13519..13665, 13519..13665, 13520..13666, 13720..13746, 13762..13857, 14338..14439		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o4.tc	Method	TBLASTX:Cress
Start	11675	End	14451
GI	none	Score	83
Exons	11675..12040, 11729..11989, 11729..11974, 11732..12043, 11735..11950, 11735..11905, 11756..11917, 11759..12016, 11807..11992, 11843..12058, 11900..12034, 12158..12193, 12254..12403, 12254..12517, 12254..12433, 12254..12418, 12266..12517, 12521..12619, 12527..12607, 12536..12619, 12536..12619, 13112..13363, 13118..13222, 13118..13390, 13121..13390, 13127..13402, 13127..13402, 13127..13387, 13313..13402, 13504..13665, 13507..13665, 13516..13665, 13516..13665, 13519..13665, 13519..13665, 13519..13629, 13519..13662, 13528..13674, 13753..13869, 13753..13854, 13753..13866, 13756..13974, 13756..13854, 13756..13860, 13771..13854, 13906..13971, 14275..14439, 14311..14451		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o4.tw	Method	TBLASTX:Wheat
Start	11681	End	14448
GI	none	Score	102
Exons	11681..11923, 11687..12064, 12254..12433, 12536..12616, 12881..12928, 13118..13228, 13277..13402, 14281..14448, 14312..14422		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o6.tm	Method	TBLASTX:Maize
Start	11732	End	13902
GI	none	Score	118
Exons	11732..11872, 11735..11935, 11735..11869, 11810..12001, 11870..12007, 12155..12244, 12251..12517, 12252..12431, 12320..12424, 12521..12619, 12522..12704, 13145..13363, 13519..13638, 13753..13902		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o6.ts	Method	TBLASTX:Soybean
Start	20029	End	20598
GI	none	Score	88
Exons	20029..20112, 20394..20597, 20506..20598		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o4.gs	Method	GENSCAN
Start	21792	End	22864
GI	none	Score	.67
Exons	21792..21992, 22710..22864		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o4.np	Method	AAT/NAP
Start	21819	End	22822
GI	6598454	Score	172
Exons	21819..21992, 22710..22822		
GI Descrip.	(AC005309) putative SWI/SNF family transcription activator [Arabidopsis thaliana]		

Seq. No.	10826	Seq. ID	OJ990330_16.9923.C8
Gene No.	23057	Strand	-
Start	21792	End	22864
Name	OJ990330_16.9923.C8.o2.gp	Method	AAT/GAP
Start	22710	End	22864
GI	LIB3434-038-P1-K1-B4	Score	266
Exons	22710..22864		
GI Descrip.	'3738276 6.0e-12 (AC005309) similar to SWI/SNF complex subunit BAF170, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23058	Strand	+
Start	4440	End	5702
Name	OJ990330_16.9923.C9.o2.gs	Method	GENSCAN
Start	4440	End	5693
GI	none	Score	.79
Exons	4440..4580, 4687..4861, 5227..5693		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23058	Strand	+
Start	4440	End	5702
Name	OJ990330_16.9923.C9.o3.gp	Method	AAT/GAP
Start	4691	End	5495
GI	286865	Score	781
Exons	4691..4861, 5227..5495		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23058	Strand	+
Start	4440	End	5702
Name	OJ990330_16.9923.C9.o2.np	Method	AAT/NAP
Start	4723	End	5702
GI	4220518	Score	256
Exons	4723..4864, 5227..5702		
GI Descrip.	(AL035356) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23059	Strand	-
Start	1	End	2632
Name	OJ990330_16.9923.C9.o1.np	Method	AAT/NAP
Start	1	End	2553
GI	6598454	Score	490
Exons	1..56, 552..959, 1800..2335, 2501..2553		
GI Descrip.	(AC005309) putative SWI/SNF family transcription activator [Arabidopsis thaliana]		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23059	Strand	-
Start	1	End	2632
Name	OJ990330_16.9923.C9.o1.gs	Method	GENSCAN
Start	85	End	2591
GI	none	Score	.88
Exons	85..146, 214..377, 474..959, 1800..2335, 2501..2591		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23059	Strand	-
Start	1	End	2632
Name	OJ990330_16.9923.C9.o1.gp	Method	AAT/GAP
Start	643	End	1915
GI	LIB3475-005-P1-K1-C3	Score	834
Exons	643..959, 1800..1915		
GI Descrip.	'3702314 1.0e-26 (AC002535) similar to SWI/SNF complex subunit BAF170 [Arabidopsis thaliana]'		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23059	Strand	-
Start	1	End	2632
Name	OJ990330_16.9923.C9.o2.gp	Method	AAT/GAP

Start	1982	End	2632
GI	uC-osflcyp121b06b1	Score	880
Exons	1982..2335, 2501..2632		
GI Descrip.	'3702314 6.0e-26 (AC002535) similar to SWI/SNF complex subunit BAF170 [Arabidopsis thaliana]'		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406
Name	OJ990330_16.9923.C9.o2.tm	Method	TBLASTX:Maize
Start	215	End	585
GI	none	Score	66
Exons	215..301, 216..380, 225..404, 471..584, 475..585, 475..585		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406
Name	OJ990330_16.9923.C9.o2.ts	Method	TBLASTX:Soybean
Start	1965	End	2333
GI	none	Score	131
Exons	1965..2000, 2073..2240, 2077..2244, 2272..2331, 2277..2333		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406
Name	OJ990330_16.9923.C9.o1.tc	Method	TBLASTX:Cress
Start	2070	End	2351
GI	none	Score	130
Exons	2070..2240, 2074..2235, 2277..2351, 2278..2334		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406
Name	OJ990330_16.9923.C9.o1.ts	Method	TBLASTX:Soybean
Start	5226	End	5552
GI	none	Score	60
Exons	5226..5273, 5322..5453, 5338..5403, 5450..5551, 5451..5552		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406
Name	OJ990330_16.9923.C9.o1.tw	Method	TBLASTX:Wheat
Start	5436	End	5698
GI	none	Score	211
Exons	5436..5609, 5436..5543, 5441..5698		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406
Name	OJ990330_16.9923.C9.o3.gs	Method	GENSCAN
Start	6429	End	10341
GI	none	Score	.74
Exons	6429..6532, 6878..7064, 7669..7721, 8608..8915, 9785..10341		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406

Name	OJ990330_16.9923.C9.o4.gp	Method	AAT/GAP
Start	7292	End	8565
GI	none	Score	831
Exons	7292..7689, 8514..8565		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406
Name	OJ990330_16.9923.C9.o1.tm	Method	TBLASTX:Maize
Start	7402	End	10406
GI	none	Score	67
Exons	7402..7464, 7402..7461, 7455..7523, 7581..7619, 7582..7635, 7632..7691, 7638..7691, 8507..8578, 8512..8631, 8514..8636, 8515..8631, 8579..8638, 8649..8792, 8650..8799, 8655..8807, 8669..8836, 8678..8809, 8816..8917, 8826..8903, 9783..10265, 9784..10326, 9785..10135, 10016..10147, 10104..10139, 10196..10213, 10211..10291, 10227..10370, 10318..10404, 10319..10405, 10326..10406		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406
Name	OJ990330_16.9923.C9.o3.np	Method	AAT/NAP
Start	7668	End	10406
GI	6739515	Score	1262
Exons	7668..7689, 8514..8915, 9785..10406		
GI Descrip.	(AF136004) eukaryotic initiation factor 4B [Triticum aestivum]		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406
Name	OJ990330_16.9923.C9.o5.gp	Method	AAT/GAP
Start	8799	End	9902
GI	3106543	Score	314
Exons	8799..8913, 9784..9902		

Seq. No.	10827	Seq. ID	OJ990330_16.9923.C9
Gene No.	23060	Strand	-
Start	6429	End	10406
Name	OJ990330_16.9923.C9.o2.tc	Method	TBLASTX:Cress
Start	9802	End	10197
GI	none	Score	75
Exons	9802..9891, 9803..9883, 9853..9915, 9854..9895, 10012..10197, 10019..10129		

Seq. No.	10828	Seq. ID	OJ990330_16.9923.C10
Gene No.	23061	Strand	+
Start	161	End	2376
Name	OJ990330_16.9923.C10.o1.gs	Method	GENSCAN
Start	161	End	2376
GI	none	Score	.65
Exons	161..195, 305..507, 2219..2376		

Seq. No.	10828	Seq. ID	OJ990330_16.9923.C10
Gene No.	23062	Strand	+
Start	3746	End	6650
Name	OJ990330_16.9923.C10.o2.gs	Method	GENSCAN

Start	3746	End	6650
GI	none	Score	.62
Exons	3746..3802, 5260..5506, 5532..5843, 6223..6650		

Seq. No.	10829	Seq. ID	OJ990330_16.9923.C11
Gene No.	23063	Strand	+
Start	1319	End	3591
Name	OJ990330_16.9923.C11.o1.np	Method	AAT/NAP
Start	1319	End	3591
GI	3668090	Score	89
Exons	1319..1349, 2441..2666, 2846..2948, 3559..3591		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10829	Seq. ID	OJ990330_16.9923.C11
Gene No.	23064	Strand	-
Start	219	End	1809
Name	OJ990330_16.9923.C11.o1.gs	Method	GENSCAN
Start	219	End	1809
GI	none	Score	.47
Exons	219..423, 441..814, 842..1285, 1460..1604, 1682..1809		

Seq. No.	10830	Seq. ID	OJ990330_16.9923.C12
Gene No.	23065	Strand	+
Start	472	End	540
Name	OJ990330_16.9923.C12.o1.np	Method	AAT/NAP
Start	472	End	540
GI	2498930	Score	51
Exons	472..540		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	10830	Seq. ID	OJ990330_16.9923.C12
Gene No.	23066	Strand	+
Start	481	End	540
Name	OJ990330_16.9923.C12.o1.gs	Method	GENSCAN
Start	481	End	540
GI	none	Score	.94
Exons	481..540		

Seq. No.	10831	Seq. ID	OJ990330_16.9923.C13
Gene No.	23067	Strand	+
Start	1	End	635
Name	OJ990330_16.9923.C13.o1.np	Method	AAT/NAP
Start	1	End	635
GI	2498930	Score	1077
Exons	1..635		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	10831	Seq. ID	OJ990330_16.9923.C13
Gene No.	23067	Strand	+
Start	1	End	635
Name	OJ990330_16.9923.C13.o1.gs	Method	GENSCAN
Start	63	End	537
GI	none	Score	.95
Exons	63..537		

Seq. No.	10832	Seq. ID	OJ990330_10.9922.C1
Gene No.	23068	Strand	+
Start	285	End	502
Name	OJ990330_10.9922.C1.o1.gs	Method	GENSCAN
Start	285	End	502
GI	none	Score	.96
Exons	285..447, 466..502		

Seq. No.	10833	Seq. ID	OJ990330_10.9922.C7
Gene No.	23069	Strand	+
Start	1	End	5321
Name	OJ990330_10.9922.C7.o2.np	Method	AAT/NAP
Start	1	End	5321
GI	4914342	Score	159
Exons	1..71, 1819..2023, 2099..2242, 5180..5321		
GI Descrip.	(AC005489) F14N23.28 [Arabidopsis thaliana]		

Seq. No.	10833	Seq. ID	OJ990330_10.9922.C7
Gene No.	23069	Strand	+
Start	1	End	5321
Name	OJ990330_10.9922.C7.o1.gs	Method	GENSCAN
Start	198	End	2181
GI	none	Score	.46
Exons	198..257, 838..1390, 1935..2027, 2102..2181		

Seq. No.	10833	Seq. ID	OJ990330_10.9922.C7
Gene No.	23070	Strand	-
Start	2427	End	5603
Name	OJ990330_10.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	883	End	1380
GI	none	Score	189
Exons	883..1188, 885..1097, 1189..1380		

Seq. No.	10833	Seq. ID	OJ990330_10.9922.C7
Gene No.	23070	Strand	-
Start	2427	End	5603
Name	OJ990330_10.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	1867	End	2246
GI	none	Score	172
Exons	1867..2019, 1895..2020, 1896..2021, 2098..2154, 2099..2155, 2100..2156, 2154..2243, 2160..2246		

Seq. No.	10833	Seq. ID	OJ990330_10.9922.C7
Gene No.	23070	Strand	-
Start	2427	End	5603
Name	OJ990330_10.9922.C7.o2.gs	Method	GENSCAN
Start	2427	End	5603
GI	none	Score	.84
Exons	2427..2606, 3178..3754, 3819..4035, 4261..4586, 4694..4804, 5421..5603		

Seq. No.	10834	Seq. ID	OJ990330_10.9922.C8
Gene No.	23071	Strand	+
Start	230	End	5194
Name	OJ990330_10.9922.C8.o1.gs	Method	GENSCAN
Start	230	End	5194
GI	none	Score	.6

Exons	230..530, 658..840, 1653..1720, 2297..2573, 3649..3811, 3830..3866, 4574..5194		
Seq. No.	10834	Seq. ID	OJ990330_10.9922.C8
Gene No.	23071	Strand	+
Start	230	End	5194
Name	OJ990330_10.9922.C8.o2.np	Method	AAT/NAP
Start	977	End	3360
GI	4234846	Score	733
Exons	977..1052, 2221..3360		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		
Seq. No.	10834	Seq. ID	OJ990330_10.9922.C8
Gene No.	23072	Strand	-
Start	1	End	3353
Name	OJ990330_10.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	2197
GI	4234854	Score	1000
Exons	1..85, 1425..2197		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		
Seq. No.	10834	Seq. ID	OJ990330_10.9922.C8
Gene No.	23072	Strand	-
Start	1	End	3353
Name	OJ990330_10.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	1413	End	1945
GI	none	Score	99
Exons	1413..1667, 1429..1644, 1712..1945, 1713..1931		
Seq. No.	10834	Seq. ID	OJ990330_10.9922.C8
Gene No.	23072	Strand	-
Start	1	End	3353
Name	OJ990330_10.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	1727	End	3353
GI	none	Score	74
Exons	1727..2107, 1890..2033, 3224..3274, 3279..3353		
Seq. No.	10834	Seq. ID	OJ990330_10.9922.C8
Gene No.	23072	Strand	-
Start	1	End	3353
Name	OJ990330_10.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	2221	End	2951
GI	none	Score	383
Exons	2221..2583, 2222..2623, 2339..2623, 2635..2766, 2706..2747, 2871..2918, 2871..2951		
Seq. No.	10835	Seq. ID	OJ990330_10.9922.C9
Gene No.	23073	Strand	+
Start	1	End	3511
Name	OJ990330_10.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	3511
GI	2708709	Score	98
Exons	1..32, 1373..1748, 2386..2686, 3484..3511		
GI Descrip.	(AF038575) Wiskott-Aldrich Syndrome protein homolog [Schizosaccharomyces pombe]		
Seq. No.	10836	Seq. ID	OJ990330_10.9922.C10

Gene No.	23074	Strand	-
Start	57	End	1352
Name	OJ990330_10.9922.C10.o1.gs	Method	GENSCAN
Start	57	End	1352
GI	none	Score	.48
Exons	57..185, 1283..1352		

Seq. No.	10837	Seq. ID	OJ990330_10.9922.C11
Gene No.	23075	Strand	+
Start	1	End	644
Name	OJ990330_10.9922.C11.o1.gs	Method	GENSCAN
Start	1	End	644
GI	none	Score	.79
Exons	1..96, 636..644		

Seq. No.	10838	Seq. ID	OJ990330_10.9922.C12
Gene No.	23076	Strand	+
Start	434	End	3174
Name	OJ990330_10.9922.C12.o1.gs	Method	GENSCAN
Start	434	End	3174
GI	none	Score	.56
Exons	434..489, 2083..2180, 3011..3174		

Seq. No.	10839	Seq. ID	OJ990330_10.9922.C13
Gene No.	23077	Strand	-
Start	274	End	399
Name	OJ990330_10.9922.C13.o1.gs	Method	GENSCAN
Start	274	End	399
GI	none	Score	.78
Exons	274..399		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23078	Strand	-
Start	772	End	5102
Name	OJ990330_10.9922.C14.o1.np	Method	AAT/NAP
Start	772	End	4569
GI	6630696	Score	6269
Exons	772..4569		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23078	Strand	-
Start	772	End	5102
Name	OJ990330_10.9922.C14.o2.gs	Method	GENSCAN
Start	3563	End	5102
GI	none	Score	.6
Exons	3563..3711, 3822..4918, 4951..5102		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23078	Strand	-
Start	772	End	5102
Name	OJ990330_10.9922.C14.o1.gp	Method	AAT/GAP
Start	3637	End	4527
GI	101595_1.R1084	Score	1391
Exons	3637..3711, 3827..4527		

GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		
Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23079	Strand	-
Start	6423	End	6832
Name	OJ990330_10.9922.C14.o2.np	Method	AAT/NAP
Start	6423	End	6832
GI	6539570	Score	81
Exons	6423..6468, 6631..6832		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o6.tw	Method	TBLASTX:Wheat
Start	298	End	631
GI	none	Score	98
Exons	298..447, 313..405, 314..463, 336..446, 413..478, 414..479, 414..497, 418..480, 484..552, 490..561, 491..553, 492..584, 599..631		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o2.tw	Method	TBLASTX:Wheat
Start	908	End	1383
GI	none	Score	395
Exons	908..1294, 910..1293, 1309..1383, 1310..1378, 1323..1382		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o4.ts	Method	TBLASTX:Soybean
Start	1036	End	1377
GI	none	Score	87
Exons	1036..1245, 1115..1240, 1264..1377, 1274..1342		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	1239	End	1611
GI	none	Score	100
Exons	1239..1487, 1240..1611, 1241..1588		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	1387	End	1738
GI	none	Score	75
Exons	1387..1569, 1390..1578, 1391..1579, 1574..1738, 1579..1737		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914

Name	OJ990330_10.9922.C14.o4.tw	Method	TBLASTX:Wheat
Start	1591	End	2040
GI	none	Score	191
Exons	1591..1797, 1792..2040		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o4.tm	Method	TBLASTX:Maize
Start	1627	End	2005
GI	none	Score	56
Exons	1627..1989, 1787..1867, 1955..2005		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o2.ts	Method	TBLASTX:Soybean
Start	1807	End	2268
GI	5509260	Score	107
Exons	1807..2040, 2095..2268		
GI Descrip.	-		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	2188	End	2940
GI	none	Score	120
Exons	2188..2370, 2188..2763, 2193..2738, 2438..2764, 2748..2852, 2751..2867, 2765..2866, 2771..2869, 2861..2932, 2863..2940, 2867..2932		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o3.ts	Method	TBLASTX:Soybean
Start	2593	End	2988
GI	none	Score	82
Exons	2593..2766, 2765..2854, 2863..2988, 2864..2986		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o5.tm	Method	TBLASTX:Maize
Start	2863	End	3240
GI	none	Score	76
Exons	2863..3240, 2864..3001		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o5.tw	Method	TBLASTX:Wheat
Start	2941	End	3133
GI	none	Score	206
Exons	2941..3132, 2942..3133		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14

Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o5.ts	Method	TBLASTX:Soybean
Start	2998	End	3378
GI	none	Score	87
Exons	2998..3246, 3229..3378		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	3328	End	3735
GI	none	Score	48
Exons	3328..3411, 3355..3420, 3394..3735, 3422..3712		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o3.tm	Method	TBLASTX:Maize
Start	4219	End	4527
GI	none	Score	101
Exons	4219..4527, 4222..4398, 4284..4427, 4304..4480		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o3.tw	Method	TBLASTX:Wheat
Start	4278	End	4675
GI	none	Score	147
Exons	4278..4460, 4279..4563, 4304..4489, 4540..4674, 4577..4675		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o3.np	Method	AAT/NAP
Start	6962	End	8306
GI	6630699	Score	84
Exons	6962..7042, 8275..8306		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	10840	Seq. ID	OJ990330_10.9922.C14
Gene No.	23080	Strand	-
Start	6962	End	10914
Name	OJ990330_10.9922.C14.o3.gs	Method	GENSCAN
Start	8052	End	10914
GI	none	Score	.78
Exons	8052..8584, 9890..10165, 10315..10532, 10690..10726, 10875..10914		

Seq. No.	10841	Seq. ID	OJ990330_10.9922.C15
Gene No.	23081	Strand	+
Start	1794	End	5807
Name	OJ990330_10.9922.C15.o1.gs	Method	GENSCAN
Start	1794	End	4151
GI	none	Score	.96

Exons	1794..1802, 3636..4151		
Seq. No.	10841	Seq. ID	OJ990330_10.9922.C15
Gene No.	23081	Strand	+
Start	1794	End	5807
Name	OJ990330_10.9922.C15.o1.np	Method	AAT/NAP
Start	3806	End	5483
GI	5295946	Score	253
Exons	3806..3884, 3918..4160, 5373..5483		
GI Descrip.	(AB026295) EST C74734(E50712) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	10841	Seq. ID	OJ990330_10.9922.C15
Gene No.	23081	Strand	+
Start	1794	End	5807
Name	OJ990330_10.9922.C15.o2.gs	Method	GENSCAN
Start	4840	End	5807
GI	none	Score	.91
Exons	4840..5053, 5223..5522, 5768..5807		
Seq. No.	10842	Seq. ID	OJ990330_10.9922.C17
Gene No.	23082	Strand	+
Start	79	End	595
Name	OJ990330_10.9922.C17.o1.gs	Method	GENSCAN
Start	79	End	595
GI	none	Score	.53
Exons	79..241, 354..426, 478..595		
Seq. No.	10842	Seq. ID	OJ990330_10.9922.C17
Gene No.	23083	Strand	-
Start	1886	End	1950
Name	OJ990330_10.9922.C17.o2.gs	Method	GENSCAN
Start	1886	End	1950
GI	none	Score	.99
Exons	1886..1950		
Seq. No.	10843	Seq. ID	OJ990330_10.9922.C18
Gene No.	23084	Strand	+
Start	126	End	1084
Name	OJ990330_10.9922.C18.o1.gs	Method	GENSCAN
Start	126	End	1084
GI	none	Score	.91
Exons	126..301, 683..887, 929..1084		
Seq. No.	10844	Seq. ID	OJ990330_10.9922.C19
Gene No.	23085	Strand	+
Start	1	End	1694
Name	OJ990330_10.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	1333
GI	6714305	Score	453
Exons	1..108, 242..400, 708..909, 1209..1333		
GI Descrip.	(AC013354) F15H18.4 [Arabidopsis thaliana]		
Seq. No.	10844	Seq. ID	OJ990330_10.9922.C19
Gene No.	23085	Strand	+
Start	1	End	1694
Name	OJ990330_10.9922.C19.o1.gs	Method	GENSCAN

Start	236	End	1449
GI	none	Score	.83
Exons	236..383, 709..909, 1215..1330, 1435..1449		

Seq. No.	10844	Seq. ID	OJ990330_10.9922.C19
Gene No.	23085	Strand	+
Start	1	End	1694
Name	OJ990330_10.9922.C19.o1.gp	Method	AAT/GAP
Start	1292	End	1694
GI	1631448	Score	416
Exons	1292..1330, 1435..1694		

Seq. No.	10844	Seq. ID	OJ990330_10.9922.C19
Gene No.	23086	Strand	-
Start	2147	End	2253
Name	OJ990330_10.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	64	End	910
GI	none	Score	64
Exons	64..105, 235..354, 236..352, 708..908, 731..910		

Seq. No.	10844	Seq. ID	OJ990330_10.9922.C19
Gene No.	23086	Strand	-
Start	2147	End	2253
Name	OJ990330_10.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	236	End	905
GI	none	Score	178
Exons	236..349, 238..348, 711..905, 719..847		

Seq. No.	10844	Seq. ID	OJ990330_10.9922.C19
Gene No.	23086	Strand	-
Start	2147	End	2253
Name	OJ990330_10.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	238	End	902
GI	none	Score	88
Exons	238..351, 238..348, 239..355, 711..902, 728..847		

Seq. No.	10844	Seq. ID	OJ990330_10.9922.C19
Gene No.	23086	Strand	-
Start	2147	End	2253
Name	OJ990330_10.9922.C19.o1.tc	Method	TBLASTX:Cress
Start	299	End	915
GI	none	Score	84
Exons	299..352, 711..908, 719..910, 751..915		

Seq. No.	10844	Seq. ID	OJ990330_10.9922.C19
Gene No.	23086	Strand	-
Start	2147	End	2253
Name	OJ990330_10.9922.C19.o2.gs	Method	GENSCAN
Start	2147	End	2253
GI	none	Score	.48
Exons	2147..2253		

Seq. No.	10845	Seq. ID	OJ990330_10.9922.C21
Gene No.	23087	Strand	+
Start	652	End	862
Name	OJ990330_10.9922.C21.o1.gs	Method	GENSCAN
Start	652	End	862

GI	none	Score	.58
Exons	652..862		

Seq. No.	10845	Seq. ID	OJ990330_10.9922.C21
Gene No.	23088	Strand	+
Start	2894	End	3000
Name	OJ990330_10.9922.C21.o2.gp	Method	AAT/GAP
Start	2894	End	3000
GI	5816518	Score	157
Exons	2894..3000		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	10845	Seq. ID	OJ990330_10.9922.C21
Gene No.	23089	Strand	+
Start	3008	End	3237
Name	OJ990330_10.9922.C21.o3.gp	Method	AAT/GAP
Start	3008	End	3237
GI	3761181	Score	358
Exons	3008..3237		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	10845	Seq. ID	OJ990330_10.9922.C21
Gene No.	23090	Strand	-
Start	1320	End	3372
Name	OJ990330_10.9922.C21.o2.gs	Method	GENSCAN
Start	1320	End	3306
GI	none	Score	.64
Exons	1320..1351, 2051..2172, 2645..2778, 2860..2888, 3207..3306		

Seq. No.	10845	Seq. ID	OJ990330_10.9922.C21
Gene No.	23090	Strand	-
Start	1320	End	3372
Name	OJ990330_10.9922.C21.o2.tm	Method	TBLASTX:Maize
Start	1873	End	2229
GI	none	Score	72
Exons	1873..1929, 1877..1930, 2037..2099, 2094..2228, 2095..2229		

Seq. No.	10845	Seq. ID	OJ990330_10.9922.C21
Gene No.	23090	Strand	-
Start	1320	End	3372
Name	OJ990330_10.9922.C21.o1.np	Method	AAT/NAP
Start	1900	End	3372
GI	5733885	Score	239
Exons	1900..1940, 2051..2537, 2649..2765, 3328..3372		
GI Descrip.	(AC007932) ESTs gb|H37217 and gb|T22141 come from this gene. [Arabidopsis thaliana]		

Seq. No.	10845	Seq. ID	OJ990330_10.9922.C21
Gene No.	23090	Strand	-
Start	1320	End	3372
Name	OJ990330_10.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	2258	End	2776
GI	none	Score	68
Exons	2258..2329, 2278..2328, 2321..2479, 2321..2485, 2323..2484, 2486..2560, 2487..2570, 2487..2558, 2626..2760, 2639..2752,		

2640..2762, 2648..2776, 2649..2759

Seq. No.	10845	Seq. ID	OJ990330_10.9922.C21
Gene No.	23090	Strand	-
Start	1320	End	3372
Name	OJ990330_10.9922.C21.o1.ts	Method	TBLASTX:Soybean
Start	2284	End	2764
GI	none	Score	141
Exons	2284..2340, 2323..2421, 2330..2479, 2344..2484, 2486..2560, 2492..2560, 2626..2760, 2648..2764		

Seq. No.	10845	Seq. ID	OJ990330_10.9922.C21
Gene No.	23090	Strand	-
Start	1320	End	3372
Name	OJ990330_10.9922.C21.o1.gp	Method	AAT/GAP
Start	2290	End	2410
GI	2797635	Score	190
Exons	2290..2410		

Seq. No.	10846	Seq. ID	OJ990330_10.9922.C22
Gene No.	23091	Strand	+
Start	216	End	321
Name	OJ990330_10.9922.C22.o1.gp	Method	AAT/GAP
Start	216	End	321
GI	5816518	Score	154
Exons	216..321		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	10846	Seq. ID	OJ990330_10.9922.C22
Gene No.	23092	Strand	+
Start	329	End	558
Name	OJ990330_10.9922.C22.o2.gp	Method	AAT/GAP
Start	329	End	558
GI	3761181	Score	358
Exons	329..558		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	10846	Seq. ID	OJ990330_10.9922.C22
Gene No.	23093	Strand	+
Start	589	End	1341
Name	OJ990330_10.9922.C22.o1.gs	Method	GENSCAN
Start	589	End	1341
GI	none	Score	.51
Exons	589..649, 1189..1341		

Seq. No.	10847	Seq. ID	OJ990330_10.9922.C23
Gene No.	23094	Strand	+
Start	1	End	794
Name	OJ990330_10.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	794
GI	5902445	Score	611
Exons	1..794		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10847	Seq. ID	OJ990330_10.9922.C23

Gene No.	23094	Strand	+
Start	1	End	794
Name	OJ990330_10.9922.C23.o1.tw	Method	TBLASTX:Wheat
Start	114	End	521
GI	none	Score	201
Exons	114..338, 134..340, 348..521		

Seq. No.	10847	Seq. ID	OJ990330_10.9922.C23
Gene No.	23094	Strand	+
Start	1	End	794
Name	OJ990330_10.9922.C23.o1.gs	Method	GENSCAN
Start	342	End	698
GI	none	Score	.74
Exons	342..514, 536..698		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23095	Strand	+
Start	215	End	681
Name	OJ990330_10.9922.C24.o1.gp	Method	AAT/GAP
Start	215	End	681
GI	1631448	Score	618
Exons	215..300, 426..681		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23096	Strand	+
Start	1719	End	1819
Name	OJ990330_10.9922.C24.o2.gp	Method	AAT/GAP
Start	1719	End	1819
GI	2338_1.R1084	Score	109
Exons	1719..1819		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23097	Strand	+
Start	2953	End	8661
Name	OJ990330_10.9922.C24.o1.gs	Method	GENSCAN
Start	2953	End	8661
GI	none	Score	.8
Exons	2953..7284, 7460..7538, 8356..8661		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23097	Strand	+
Start	2953	End	8661
Name	OJ990330_10.9922.C24.o1.np	Method	AAT/NAP
Start	2959	End	7317
GI	5295971	Score	4292
Exons	2959..3940, 3986..7317		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o4.tw	Method	TBLASTX:Wheat
Start	3220	End	3582

GI	none	Score	238
Exons	3220..3582		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o6.ts	Method	TBLASTX:Soybean
Start	3241	End	4275
GI	none	Score	195
Exons	3241..3630, 4110..4274, 4111..4275		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o7.tm	Method	TBLASTX:Maize
Start	3306	End	3633
GI	none	Score	279
Exons	3306..3632, 3307..3633		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o8.tm	Method	TBLASTX:Maize
Start	4081	End	4557
GI	none	Score	55
Exons	4081..4167, 4143..4343, 4144..4362, 4459..4557		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o3.tw	Method	TBLASTX:Wheat
Start	4164	End	4623
GI	none	Score	217
Exons	4164..4340, 4180..4398, 4456..4536, 4543..4623		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o4.ts	Method	TBLASTX:Soybean
Start	4561	End	4881
GI	none	Score	218
Exons	4561..4881, 4657..4737		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o2.tw	Method	TBLASTX:Wheat
Start	4696	End	5247
GI	none	Score	320
Exons	4696..5157, 4866..5060, 5163..5234, 5167..5247		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	4915	End	5325
GI	none	Score	597

Exons	4915..5325, 4917..5321		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o2.ts	Method	TBLASTX:Soybean
Start	4930	End	5403
GI	none	Score	345
Exons	4930..5241, 4935..5225, 5263..5403, 5263..5403		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o2.tc	Method	TBLASTX:Cress
Start	4942	End	5385
GI	none	Score	224
Exons	4942..5238, 4947..5066, 4969..5178, 5085..5231, 5263..5385		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o1.ts	Method	TBLASTX:Soybean
Start	5767	End	6270
GI	5509260	Score	441
Exons	5767..6270, 5862..6026, 6087..6161		
GI Descrip.	-		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o3.tm	Method	TBLASTX:Maize
Start	5797	End	6114
GI	none	Score	380
Exons	5797..6114, 5806..6102, 5853..6113		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o3.tc	Method	TBLASTX:Cress
Start	5892	End	6153
GI	none	Score	252
Exons	5892..6134, 5893..6153		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o1.tw	Method	TBLASTX:Wheat
Start	5934	End	6474
GI	none	Score	305
Exons	5934..6065, 5935..6279, 5950..6282, 6265..6474		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o5.tm	Method	TBLASTX:Maize
Start	6318	End	6576
GI	none	Score	304

Exons	6318..6575, 6319..6576, 6346..6576		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o6.tw	Method	TBLASTX:Wheat
Start	6490	End	6807
GI	none	Score	66
Exons	6490..6597, 6621..6770, 6622..6807		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o2.tm	Method	TBLASTX:Maize
Start	6578	End	7035
GI	none	Score	101
Exons	6578..7027, 6583..7035, 6583..7029, 6612..7034		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o1.tc	Method	TBLASTX:Cress
Start	6612	End	7341
GI	none	Score	285
Exons	6612..6782, 6613..6915, 6843..6914, 6918..7034, 6919..7035, 7033..7296, 7074..7295, 7309..7341		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o3.ts	Method	TBLASTX:Soybean
Start	6643	End	7281
GI	none	Score	135
Exons	6643..6825, 6811..7281, 6834..6977, 7059..7232		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o2.np	Method	AAT/NAP
Start	6694	End	9039
GI	5733885	Score	262
Exons	6694..6713, 7807..7853, 7964..8227, 8293..8554, 8619..9039		
GI Descrip.	(AC007932) ESTs gb|H37217 and gb|T22141 come from this gene. [Arabidopsis thaliana]		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o5.tw	Method	TBLASTX:Wheat
Start	6834	End	7254
GI	none	Score	153
Exons	6834..7034, 6835..7038, 7075..7254		
Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o6.tm	Method	TBLASTX:Maize

Start	7036	End	7281
GI	none	Score	287
Exons	7036..7281, 7038..7280		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o4.tm	Method	TBLASTX:Maize
Start	8252	End	8737
GI	none	Score	47
Exons	8252..8317, 8297..8365, 8309..8350, 8343..8513, 8346..8549, 8347..8559, 8365..8517, 8597..8731, 8618..8737		

Seq. No.	10848	Seq. ID	OJ990330_10.9922.C24
Gene No.	23098	Strand	-
Start	6694	End	9039
Name	OJ990330_10.9922.C24.o5.ts	Method	TBLASTX:Soybean
Start	8340	End	8737
GI	none	Score	136
Exons	8340..8513, 8341..8559, 8596..8730, 8618..8737		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23099	Strand	+
Start	3077	End	18956
Name	OJ990330_10.9922.C25.o2.gs	Method	GENSCAN
Start	3077	End	18956
GI	none	Score	.5
Exons	3077..3121, 3242..3527, 4165..4365, 4423..4809, 7687..7793, 8391..8666, 8869..9032, 9688..10271, 10289..10483, 11226..11906, 12611..14071, 14077..15023, 15066..15758, 15846..16606, 16657..17077, 17138..17340, 17362..17875, 18170..18608, 18610..18626, 18641..18794, 18874..18956		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23099	Strand	+
Start	3077	End	18956
Name	OJ990330_10.9922.C25.o2.np	Method	AAT/NAP
Start	15855	End	18953
GI	5902445	Score	3007
Exons	15855..17696, 17736..18953		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23100	Strand	+
Start	28308	End	28898
Name	OJ990330_10.9922.C25.o7.np	Method	AAT/NAP
Start	28308	End	28898
GI	6907089	Score	953
Exons	28308..28898		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23101	Strand	-
Start	1	End	4969
Name	OJ990330_10.9922.C25.o1.np	Method	AAT/NAP
Start	1	End	4969
GI	2342690	Score	265

Exons	1..71, 483..581, 642..805, 1053..1180, 1258..1351, 1465..1505, 4920..4969		
GI Descrip.	(AC000106) Similar to Homo copine I (gb|U83246). [Arabidopsis thaliana]		
Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23101	Strand	-
Start	1	End	4969
Name	OJ990330_10.9922.C25.o1.gs	Method	GENSCAN
Start	438	End	1667
GI	none	Score	.75
Exons	438..581, 1593..1667		
Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23102	Strand	-
Start	19573	End	26485
Name	OJ990330_10.9922.C25.o3.gs	Method	GENSCAN
Start	19573	End	26485
GI	none	Score	.75
Exons	19573..19932, 19999..20090, 20188..20333, 20590..20852, 20931..21219, 21289..21347, 21418..21603, 21670..21794, 21961..22091, 22303..22336, 22494..22630, 22845..22980, 23259..23408, 24184..24290, 24874..24958, 25512..25668, 26483..26485		
Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23102	Strand	-
Start	19573	End	26485
Name	OJ990330_10.9922.C25.o3.np	Method	AAT/NAP
Start	20458	End	22635
GI	6721561	Score	1029
Exons	20458..21219, 21289..21347, 21418..21603, 22567..22635		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23102	Strand	-
Start	19573	End	26485
Name	OJ990330_10.9922.C25.o4.np	Method	AAT/NAP
Start	20576	End	22593
GI	6721558	Score	234
Exons	20576..20693, 21008..21096, 21670..21794, 22494..22593		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o6.tw	Method	TBLASTX:Wheat
Start	9536	End	14519
GI	none	Score	63
Exons	9536..9640, 14124..14174, 14175..14288, 14186..14236, 14262..14519, 14274..14483, 14294..14518		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o4.tm	Method	TBLASTX:Maize
Start	14169	End	14408
GI	none	Score	197
Exons	14169..14408		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o4.tw	Method	TBLASTX:Wheat
Start	15153	End	15608
GI	none	Score	143
Exons	15153..15335, 15161..15262, 15372..15608, 15374..15490, 15384..15593, 15533..15598		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o1.tw	Method	TBLASTX:Wheat
Start	15800	End	16256
GI	none	Score	555
Exons	15800..16255, 15801..16256		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o2.ts	Method	TBLASTX:Soybean
Start	15840	End	16205
GI	none	Score	117
Exons	15840..16064, 16071..16205		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o1.tm	Method	TBLASTX:Maize
Start	15930	End	16286
GI	none	Score	415
Exons	15930..16286, 15992..16285		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o3.tm	Method	TBLASTX:Maize
Start	16314	End	16696
GI	none	Score	247
Exons	16314..16604, 16481..16591, 16583..16696		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o2.tw	Method	TBLASTX:Wheat
Start	16371	End	16794
GI	none	Score	268
Exons	16371..16595, 16375..16527, 16470..16565, 16477..16623,		

16481..16591, 16598..16792, 16598..16759, 16600..16794

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o1.ts	Method	TBLASTX:Soybean
Start	16425	End	16849
GI	none	Score	182
Exons	16425..16613, 16484..16603, 16601..16849		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o7.tw	Method	TBLASTX:Wheat
Start	16939	End	17347
GI	none	Score	203
Exons	16939..17166, 16940..17164, 17174..17347		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o8.tw	Method	TBLASTX:Wheat
Start	17351	End	17706
GI	none	Score	194
Exons	17351..17644, 17371..17445, 17485..17706		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o2.tm	Method	TBLASTX:Maize
Start	17849	End	24795
GI	none	Score	320
Exons	17849..18154, 17866..18156, 24472..24675, 24703..24795		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o5.tw	Method	TBLASTX:Wheat
Start	17980	End	24771
GI	none	Score	335
Exons	17980..18036, 17981..18334, 18082..18324, 24607..24642, 24685..24771		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o3.tw	Method	TBLASTX:Wheat
Start	18361	End	18944
GI	none	Score	345
Exons	18361..18459, 18368..18796, 18505..18612, 18813..18944, 18818..18943		

Seq. No.	10849	Seq. ID	OJ990330_10.9922.C25
Gene No.	23103	Strand	-
Start	26872	End	29444
Name	OJ990330_10.9922.C25.o6.np	Method	AAT/NAP
Start	26872	End	29444

GI	5042454	Score	270
Exons	26872..26925, 27181..27364, 27935..28053, 28271..28408, 29173..29444		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23104	Strand	+
Start	107	End	4236
Name	OJ990330_10.9922.C26.o2.np	Method	AAT/NAP
Start	107	End	4233
GI	6907089	Score	3625
Exons	107..144, 1675..4233		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23104	Strand	+
Start	107	End	4236
Name	OJ990330_10.9922.C26.o1.gp	Method	AAT/GAP
Start	596	End	979
GI	uC-osflcyp033a04b1	Score	665
Exons	596..979		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23104	Strand	+
Start	107	End	4236
Name	OJ990330_10.9922.C26.o1.gs	Method	GENSCAN
Start	1742	End	4236
GI	none	Score	.65
Exons	1742..2358, 2453..3995, 4090..4236		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o1.np	Method	AAT/NAP
Start	529	End	5582
GI	4680186	Score	332
Exons	529..730, 1569..1622, 3266..3497, 5535..5582		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o3.tw	Method	TBLASTX:Wheat
Start	2787	End	9236
GI	none	Score	51
Exons	2787..2864, 2840..2887, 8780..9235, 8781..9041, 9063..9236		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o5.tm	Method	TBLASTX:Maize
Start	4861	End	5007
GI	none	Score	126
Exons	4861..5007, 4868..5002		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o2.gs	Method	GENSCAN
Start	4864	End	11821
GI	none	Score	.74
Exons	4864..5100, 5242..6264, 6319..7178, 7240..8196, 8220..8244, 8282..8593, 8603..8776, 8801..9009, 9040..9326, 9349..11066, 11096..11200, 11561..11650, 11750..11821		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o3.np	Method	AAT/NAP
Start	4867	End	10516
GI	6498441	Score	6998
Exons	4867..5148, 5242..6639, 6811..7107, 7301..7727, 7902..8036, 8220..8593, 8657..9120, 9452..10516		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o7.tw	Method	TBLASTX:Wheat
Start	4876	End	5478
GI	none	Score	77
Exons	4876..5001, 4880..5002, 5161..5478, 5195..5473		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o4.tw	Method	TBLASTX:Wheat
Start	5479	End	5860
GI	none	Score	177
Exons	5479..5859, 5510..5758, 5518..5856, 5804..5860		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o2.tm	Method	TBLASTX:Maize
Start	5635	End	5997
GI	none	Score	214
Exons	5635..5682, 5674..5997, 5687..5968		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o8.tw	Method	TBLASTX:Wheat
Start	6190	End	6502
GI	none	Score	67
Exons	6190..6450, 6326..6502		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040

Name	OJ990330_10.9922.C26.o2.ts	Method	TBLASTX:Soybean
Start	6250	End	6816
GI	5666795	Score	68
Exons	6250..6450, 6505..6642, 6718..6816		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o5.tw	Method	TBLASTX:Wheat
Start	6505	End	9967
GI	none	Score	87
Exons	6505..6654, 6506..6643, 6688..6939, 6689..6874, 6709..6963, 9914..9967		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o1.ts	Method	TBLASTX:Soybean
Start	7565	End	7936
GI	none	Score	90
Exons	7565..7936, 7776..7919		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o2.tw	Method	TBLASTX:Wheat
Start	7595	End	8015
GI	none	Score	319
Exons	7595..8014, 7602..8015		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o3.tm	Method	TBLASTX:Maize
Start	7688	End	8072
GI	none	Score	231
Exons	7688..8071, 7707..8072		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o1.tm	Method	TBLASTX:Maize
Start	8099	End	8455
GI	none	Score	124
Exons	8099..8404, 8099..8455, 8109..8420		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o1.tw	Method	TBLASTX:Wheat
Start	8123	End	8586
GI	none	Score	223
Exons	8123..8584, 8129..8584, 8130..8585, 8143..8586		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-

Start	529	End	12040
Name	OJ990330_10.9922.C26.o3.ts	Method	TBLASTX:Soybean
Start	8180	End	8545
GI	none	Score	117
Exons	8180..8314, 8321..8545		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o6.tw	Method	TBLASTX:Wheat
Start	9975	End	10527
GI	none	Score	89
Exons	9975..10232, 10009..10248, 10215..10313, 10216..10308, 10320..10367, 10492..10527		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o4.tm	Method	TBLASTX:Maize
Start	10077	End	10362
GI	none	Score	94
Exons	10077..10325, 10078..10362		

Seq. No.	10850	Seq. ID	OJ990330_10.9922.C26
Gene No.	23105	Strand	-
Start	529	End	12040
Name	OJ990330_10.9922.C26.o4.np	Method	AAT/NAP
Start	11254	End	12040
GI	5042454	Score	234
Exons	11254..11307, 11561..11736, 11962..12040		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10851	Seq. ID	OJ990330_10.9922.C27
Gene No.	23106	Strand	-
Start	2233	End	2568
Name	OJ990330_10.9922.C27.o1.gs	Method	GENSCAN
Start	2233	End	2568
GI	none	Score	.74
Exons	2233..2568		

Seq. No.	10851	Seq. ID	OJ990330_10.9922.C27
Gene No.	23107	Strand	-
Start	2704	End	2953
Name	OJ990330_10.9922.C27.o1.gp	Method	AAT/GAP
Start	2704	End	2953
GI	3761181	Score	430
Exons	2704..2953		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	10851	Seq. ID	OJ990330_10.9922.C27
Gene No.	23108	Strand	-
Start	4513	End	4668
Name	OJ990330_10.9922.C27.o2.gs	Method	GENSCAN
Start	4513	End	4668
GI	none	Score	.68
Exons	4513..4668		

Seq. No.	10851	Seq. ID	OJ990330_10.9922.C27
Gene No.	23109	Strand	-
Start	5027	End	9012
Name	OJ990330_10.9922.C27.o3.gs	Method	GENSCAN
Start	5027	End	9012
GI	none	Score	.58
Exons	5027..5454, 5509..5778, 5801..6654, 7353..8459, 8486..8661, 8860..9012		

Seq. No.	10851	Seq. ID	OJ990330_10.9922.C27
Gene No.	23109	Strand	-
Start	5027	End	9012
Name	OJ990330_10.9922.C27.o1.np	Method	AAT/NAP
Start	5378	End	8442
GI	5091513	Score	2681
Exons	5378..5550, 5689..6598, 7431..8442		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10851	Seq. ID	OJ990330_10.9922.C27
Gene No.	23109	Strand	-
Start	5027	End	9012
Name	OJ990330_10.9922.C27.o2.gp	Method	AAT/GAP
Start	8575	End	8877
GI	uC-osflcyp053g09b1	Score	493
Exons	8575..8877		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	10852	Seq. ID	OJ990330_10.9922.C28
Gene No.	23110	Strand	-
Start	1	End	1484
Name	OJ990330_10.9922.C28.o1.np	Method	AAT/NAP
Start	1	End	1484
GI	5091513	Score	2226
Exons	1..1484		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10852	Seq. ID	OJ990330_10.9922.C28
Gene No.	23110	Strand	-
Start	1	End	1484
Name	OJ990330_10.9922.C28.o1.gs	Method	GENSCAN
Start	180	End	1308
GI	none	Score	.81
Exons	180..1308		

Seq. No.	10853	Seq. ID	OJ990330_10.9922.C29
Gene No.	23111	Strand	+
Start	4128	End	5112
Name	OJ990330_10.9922.C29.o2.gs	Method	GENSCAN
Start	4128	End	5112
GI	none	Score	.92
Exons	4128..4368, 4454..4762, 4950..5112		

Seq. No.	10853	Seq. ID	OJ990330_10.9922.C29
Gene No.	23111	Strand	+
Start	4128	End	5112

Name	OJ990330_10.9922.C29.o2.gp	Method	AAT/GAP
Start	4253	End	4682
GI	3763411	Score	582
Exons	4253..4368, 4454..4682		

Seq. No.	10853	Seq. ID	OJ990330_10.9922.C29
Gene No.	23112	Strand	-
Start	1	End	5422
Name	OJ990330_10.9922.C29.o1.np	Method	AAT/NAP
Start	1	End	5422
GI	5091513	Score	677
Exons	1..450, 5324..5422		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10853	Seq. ID	OJ990330_10.9922.C29
Gene No.	23112	Strand	-
Start	1	End	5422
Name	OJ990330_10.9922.C29.o1.gs	Method	GENSCAN
Start	22	End	3027
GI	none	Score	.58
Exons	22..525, 618..885, 1048..1108, 1573..1673, 2994..3027		

Seq. No.	10853	Seq. ID	OJ990330_10.9922.C29
Gene No.	23112	Strand	-
Start	1	End	5422
Name	OJ990330_10.9922.C29.o1.gp	Method	AAT/GAP
Start	1139	End	1388
GI	3761181	Score	435
Exons	1139..1388		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	10854	Seq. ID	OJ990330_10.9922.C30
Gene No.	23113	Strand	+
Start	1	End	7761
Name	OJ990330_10.9922.C30.o1.np	Method	AAT/NAP
Start	1	End	7761
GI	6714305	Score	380
Exons	1..38, 5389..5543, 5746..5914, 6037..6251, 7569..7761		
GI Descrip.	(AC013354) F15H18.4 [Arabidopsis thaliana]		

Seq. No.	10854	Seq. ID	OJ990330_10.9922.C30
Gene No.	23113	Strand	+
Start	1	End	7761
Name	OJ990330_10.9922.C30.o1.gs	Method	GENSCAN
Start	91	End	1988
GI	none	Score	.92
Exons	91..185, 204..240, 1368..1988		

Seq. No.	10854	Seq. ID	OJ990330_10.9922.C30
Gene No.	23113	Strand	+
Start	1	End	7761
Name	OJ990330_10.9922.C30.o1.gp	Method	AAT/GAP
Start	1435	End	2147
GI	3763412	Score	1333
Exons	1435..2147		

Seq. No.	10854	Seq. ID	OJ990330_10.9922.C30
Gene No.	23113	Strand	+
Start	1	End	7761
Name	OJ990330_10.9922.C30.o2.gs	Method	GENSCAN
Start	3290	End	4027
GI	none	Score	.53
Exons	3290..3458, 3693..4027		

Seq. No.	10854	Seq. ID	OJ990330_10.9922.C30
Gene No.	23114	Strand	-
Start	5153	End	7724
Name	OJ990330_10.9922.C30.o3.gs	Method	GENSCAN
Start	5153	End	6071
GI	none	Score	.73
Exons	5153..5373, 5435..5551, 5631..5858, 5885..5959, 6056..6071		

Seq. No.	10854	Seq. ID	OJ990330_10.9922.C30
Gene No.	23114	Strand	-
Start	5153	End	7724
Name	OJ990330_10.9922.C30.o1.tc	Method	TBLASTX:Cress
Start	5861	End	6180
GI	none	Score	60
Exons	5861..5917, 5867..5914, 6033..6173, 6036..6161, 6037..6180		

Seq. No.	10854	Seq. ID	OJ990330_10.9922.C30
Gene No.	23114	Strand	-
Start	5153	End	7724
Name	OJ990330_10.9922.C30.o1.tm	Method	TBLASTX:Maize
Start	5861	End	7698
GI	none	Score	63
Exons	5861..5917, 6036..6155, 6037..6156, 7549..7665, 7554..7688, 7579..7698		

Seq. No.	10854	Seq. ID	OJ990330_10.9922.C30
Gene No.	23114	Strand	-
Start	5153	End	7724
Name	OJ990330_10.9922.C30.o1.ts	Method	TBLASTX:Soybean
Start	5876	End	7724
GI	none	Score	60
Exons	5876..5917, 6036..6155, 6037..6153, 7576..7722, 7587..7724		

Seq. No.	10854	Seq. ID	OJ990330_10.9922.C30
Gene No.	23114	Strand	-
Start	5153	End	7724
Name	OJ990330_10.9922.C30.o1.tw	Method	TBLASTX:Wheat
Start	6037	End	7719
GI	none	Score	178
Exons	6037..6150, 6039..6152, 6039..6149, 7578..7661, 7579..7719		

Seq. No.	10854	Seq. ID	OJ990330_10.9922.C30
Gene No.	23114	Strand	-
Start	5153	End	7724
Name	OJ990330_10.9922.C30.o2.tc	Method	TBLASTX:Cress
Start	7576	End	7724
GI	none	Score	198
Exons	7576..7722, 7582..7722, 7584..7724		

Seq. No.	10855	Seq. ID	OJ990330_10.9922.C31
Gene No.	23115	Strand	+
Start	1	End	953
Name	OJ990330_10.9922.C31.o1.np	Method	AAT/NAP
Start	1	End	953
GI	6714305	Score	158
Exons	1..27, 338..416, 603..777, 900..953		
GI Descrip.	(AC013354) F15H18.4 [Arabidopsis thaliana]		

Seq. No.	10855	Seq. ID	OJ990330_10.9922.C31
Gene No.	23115	Strand	+
Start	1	End	953
Name	OJ990330_10.9922.C31.o1.gs	Method	GENSCAN
Start	292	End	771
GI	none	Score	.67
Exons	292..463, 611..771		

Seq. No.	10855	Seq. ID	OJ990330_10.9922.C31
Gene No.	23115	Strand	+
Start	1	End	953
Name	OJ990330_10.9922.C31.o1.ts	Method	TBLASTX:Soybean
Start	610	End	953
GI	none	Score	97
Exons	610..720, 706..777, 893..952,	900..953	

Seq. No.	10856	Seq. ID	OJ990330_10.9922.C32
Gene No.	23116	Strand	+
Start	606	End	752
Name	OJ990330_10.9922.C32.o1.gs	Method	GENSCAN
Start	606	End	752
GI	none	Score	.61
Exons	606..752		

Seq. No.	10857	Seq. ID	OJ990330_10.9922.C35
Gene No.	23117	Strand	+
Start	1	End	169
Name	OJ990330_10.9922.C35.o1.gp	Method	AAT/GAP
Start	1	End	169
GI	3763412	Score	308
Exons	1..169		

Seq. No.	10858	Seq. ID	OJ990330_10.9922.C36
Gene No.	23118	Strand	-
Start	653	End	892
Name	OJ990330_10.9922.C36.o1.gs	Method	GENSCAN
Start	653	End	892
GI	none	Score	.6
Exons	653..892		

Seq. No.	10859	Seq. ID	OJ990330_10.9922.C38
Gene No.	23119	Strand	-
Start	1	End	720
Name	OJ990330_10.9922.C38.o1.np	Method	AAT/NAP
Start	1	End	720
GI	6539558	Score	829
Exons	1..720		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza		

sativa]

Seq. No.	10859	Seq. ID	OJ990330_10.9922.C38
Gene No.	23119	Strand	-
Start	1	End	720
Name	OJ990330_10.9922.C38.o1.tm	Method	TBLASTX:Maize
Start	67	End	379
GI	none	Score	225
Exons	67..378, 68..379, 101..379		

Seq. No.	10859	Seq. ID	OJ990330_10.9922.C38
Gene No.	23119	Strand	-
Start	1	End	720
Name	OJ990330_10.9922.C38.o1.gs	Method	GENSCAN
Start	106	End	666
GI	none	Score	.94
Exons	106..666		

Seq. No.	10859	Seq. ID	OJ990330_10.9922.C38
Gene No.	23119	Strand	-
Start	1	End	720
Name	OJ990330_10.9922.C38.o1.tw	Method	TBLASTX:Wheat
Start	223	End	705
GI	none	Score	67
Exons	223..432, 415..702, 418..705		

Seq. No.	10859	Seq. ID	OJ990330_10.9922.C38
Gene No.	23119	Strand	-
Start	1	End	720
Name	OJ990330_10.9922.C38.o1.ts	Method	TBLASTX:Soybean
Start	427	End	706
GI	5509260	Score	69
Exons	427..705, 536..610, 671..706		
GI Descrip.	-		

Seq. No.	10859	Seq. ID	OJ990330_10.9922.C38
Gene No.	23119	Strand	-
Start	1	End	720
Name	OJ990330_10.9922.C38.o2.tm	Method	TBLASTX:Maize
Start	445	End	715
GI	none	Score	113
Exons	445..699, 457..705, 536..715		

Seq. No.	10860	Seq. ID	OJ990330_10.9922.C40
Gene No.	23120	Strand	-
Start	1	End	776
Name	OJ990330_10.9922.C40.o1.np	Method	AAT/NAP
Start	1	End	776
GI	5902445	Score	409
Exons	1..219, 259..776		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10860	Seq. ID	OJ990330_10.9922.C40
Gene No.	23120	Strand	-
Start	1	End	776
Name	OJ990330_10.9922.C40.o1.gs	Method	GENSCAN
Start	80	End	739

GI	none	Score	.99
Exons	80..593, 615..739		

Seq. No.	10860	Seq. ID	OJ990330_10.9922.C40
Gene No.	23120	Strand	-
Start	1	End	776
Name	OJ990330_10.9922.C40.o1.tw	Method	TBLASTX:Wheat
Start	383	End	757
GI	none	Score	71
Exons	383..757, 525..692		

Seq. No.	10861	Seq. ID	OJ990330_10.9922.C42
Gene No.	23121	Strand	+
Start	1	End	653
Name	OJ990330_10.9922.C42.o1.np	Method	AAT/NAP
Start	1	End	653
GI	5295971	Score	809
Exons	1..653		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	10861	Seq. ID	OJ990330_10.9922.C42
Gene No.	23121	Strand	+
Start	1	End	653
Name	OJ990330_10.9922.C42.o1.gs	Method	GENSCAN
Start	56	End	636
GI	none	Score	51
Exons	56..636		

Seq. No.	10861	Seq. ID	OJ990330_10.9922.C42
Gene No.	23121	Strand	+
Start	1	End	653
Name	OJ990330_10.9922.C42.o1.tw	Method	TBLASTX:Wheat
Start	130	End	651
GI	none	Score	317
Exons	130..591, 300..494, 597..647, 601..651		

Seq. No.	10861	Seq. ID	OJ990330_10.9922.C42
Gene No.	23121	Strand	+
Start	1	End	653
Name	OJ990330_10.9922.C42.o1.tm	Method	TBLASTX:Maize
Start	349	End	651
GI	none	Score	452
Exons	349..651, 351..650		

Seq. No.	10861	Seq. ID	OJ990330_10.9922.C42
Gene No.	23121	Strand	+
Start	1	End	653
Name	OJ990330_10.9922.C42.o1.ts	Method	TBLASTX:Soybean
Start	364	End	651
GI	none	Score	322
Exons	364..651, 369..632		

Seq. No.	10861	Seq. ID	OJ990330_10.9922.C42
Gene No.	23121	Strand	+
Start	1	End	653

Name	OJ990330_10.9922.C42.o1.tc	Method	TBLASTX:Cress
Start	376	End	651
GI	none	Score	192
Exons	376..651, 381..500, 403..612,	519..650	

Seq. No.	10862	Seq. ID	OJ990330_10.9922.C43
Gene No.	23122	Strand	+
Start	1	End	770
Name	OJ990330_10.9922.C43.o1.np	Method	AAT/NAP
Start	1	End	770
GI	5091513	Score	897
Exons	1..770		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10862	Seq. ID	OJ990330_10.9922.C43
Gene No.	23122	Strand	+
Start	1	End	770
Name	OJ990330_10.9922.C43.o1.gs	Method	GENSCAN
Start	105	End	593
GI	none	Score	.98
Exons	105..593		

Seq. No.	10863	Seq. ID	OJ990330_10.9922.C44
Gene No.	23123	Strand	+
Start	1	End	850
Name	OJ990330_10.9922.C44.o2.np	Method	AAT/NAP
Start	1	End	850
GI	4234846	Score	373
Exons	1..22, 173..850		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	10863	Seq. ID	OJ990330_10.9922.C44
Gene No.	23123	Strand	+
Start	1	End	850
Name	OJ990330_10.9922.C44.o1.gs	Method	GENSCAN
Start	334	End	696
GI	none	Score	.57
Exons	334..696		

Seq. No.	10863	Seq. ID	OJ990330_10.9922.C44
Gene No.	23124	Strand	-
Start	1	End	147
Name	OJ990330_10.9922.C44.o1.np	Method	AAT/NAP
Start	1	End	147
GI	4234854	Score	111
Exons	1..147		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	10863	Seq. ID	OJ990330_10.9922.C44
Gene No.	23125	Strand	
Start	171	End	716
Name	OJ990330_10.9922.C44.o1.tm	Method	TBLASTX:Maize
Start	171	End	716
GI	none	Score	107
Exons	171..386, 171..533, 172..573,	289..573,	585..716, 656..697

Seq. No.	10864	Seq. ID	OJ990330_10.9922.C45

Gene No.	23126	Strand	-
Start	269	End	883
Name	OJ990330_10.9922.C45.o1.np	Method	AAT/NAP
Start	269	End	883
GI	5091513	Score	894
Exons	269..883		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10865	Seq. ID	OJ990330_10.9922.C46
Gene No.	23127	Strand	
Start	280	End	599
Name	OJ990330_10.9922.C46.o1.tw	Method	TBLASTX:Wheat
Start	280	End	599
GI	none	Score	94
Exons	280..372, 281..373, 282..431, 452..520, 458..529, 460..552,	304..414, 382..447, 382..465, 567..599	

Seq. No.	10866	Seq. ID	OJ990330_10.9922.C48
Gene No.	23128	Strand	-
Start	1	End	725
Name	OJ990330_10.9922.C48.o1.np	Method	AAT/NAP
Start	1	End	725
GI	5091513	Score	1090
Exons	1..725		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10866	Seq. ID	OJ990330_10.9922.C48
Gene No.	23128	Strand	-
Start	1	End	725
Name	OJ990330_10.9922.C48.o1.gs	Method	GENSCAN
Start	81	End	574
GI	none	Score	.99
Exons	81..574		

Seq. No.	10867	Seq. ID	OJ990330_10.9922.C49
Gene No.	23129	Strand	-
Start	1	End	523
Name	OJ990330_10.9922.C49.o1.np	Method	AAT/NAP
Start	1	End	523
GI	5091513	Score	671
Exons	1..523		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	10867	Seq. ID	OJ990330_10.9922.C49
Gene No.	23129	Strand	-
Start	1	End	523
Name	OJ990330_10.9922.C49.o1.gs	Method	GENSCAN
Start	71	End	488
GI	none	Score	1
Exons	71..488		

Seq. No.	10868	Seq. ID	OJ990330_10.9922.C50
Gene No.	23130	Strand	-
Start	475	End	1632
Name	OJ990330_10.9922.C50.o1.gs	Method	GENSCAN
Start	475	End	1632
GI	none	Score	.94

Exons	475..511, 530..692, 821..1120, 1446..1632		
Seq. No.	10869	Seq. ID	OJ990330_10.9922.C51
Gene No.	23131	Strand	+
Start	146	End	471
Name	OJ990330_10.9922.C51.o1.gs	Method	GENSCAN
Start	146	End	471
GI	none	Score	.41
Exons	146..471		
Seq. No.	10870	Seq. ID	OJ990330_10.9922.C52
Gene No.	23132	Strand	+
Start	1	End	92
Name	OJ990330_10.9922.C52.o1.np	Method	AAT/NAP
Start	1	End	92
GI	5091513	Score	125
Exons	1..92		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	10870	Seq. ID	OJ990330_10.9922.C52
Gene No.	23133	Strand	-
Start	12	End	132
Name	OJ990330_10.9922.C52.o1.gs	Method	GENSCAN
Start	12	End	132
GI	none	Score	.96
Exons	12..132		
Seq. No.	10871	Seq. ID	OJ990330_10.9922.C53
Gene No.	23134	Strand	+
Start	1	End	705
Name	OJ990330_10.9922.C53.o1.np	Method	AAT/NAP
Start	1	End	705
GI	5091513	Score	959
Exons	1..705		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	10871	Seq. ID	OJ990330_10.9922.C53
Gene No.	23134	Strand	+
Start	1	End	705
Name	OJ990330_10.9922.C53.o1.gs	Method	GENSCAN
Start	17	End	643
GI	none	Score	.91
Exons	17..643		
Seq. No.	10872	Seq. ID	OJ990330_10.9922.C54
Gene No.	23135	Strand	+
Start	128	End	447
Name	OJ990330_10.9922.C54.o1.gs	Method	GENSCAN
Start	128	End	447
GI	none	Score	.57
Exons	128..262, 379..447		
Seq. No.	10873	Seq. ID	OJ990330_12.9922.C1
Gene No.	23136	Strand	+
Start	686	End	1176
Name	OJ990330_12.9922.C1.o1.gs	Method	GENSCAN
Start	686	End	1176

GI	none	Score	.65
Exons	686..753, 891..1176		
Seq. No.	10874	Seq. ID	OJ990330_12.9922.C2
Gene No.	23137	Strand	+
Start	119	End	5008
Name	OJ990330_12.9922.C2.o1.gs	Method	GENSCAN
Start	119	End	5008
GI	none	Score	.65
Exons	119..491, 2642..2666, 3338..3497, 3586..3834, 4576..4683, 4907..5008		
Seq. No.	10874	Seq. ID	OJ990330_12.9922.C2
Gene No.	23138	Strand	+
Start	8788	End	8957
Name	OJ990330_12.9922.C2.o2.gs	Method	GENSCAN
Start	8788	End	8957
GI	none	Score	.44
Exons	8788..8957		
Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	4920
GI	6466937	Score	2426
Exons	1..646, 700..4371, 4813..4920		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o1.gs	Method	GENSCAN
Start	52	End	4449
GI	none	Score	.5
Exons	52..219, 535..1089, 1624..3256, 3779..4449		
Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o7.tm	Method	TBLASTX:Maize
Start	772	End	1401
GI	none	Score	113
Exons	772..900, 976..1224, 1309..1401		
Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	1513	End	1983
GI	none	Score	570
Exons	1513..1983, 1548..1958, 1597..1971		
Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920

Name	OJ990330_12.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	1606	End	2088
GI	none	Score	391
Exons	1606..2088, 1710..2054		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	1642	End	1956
GI	none	Score	237
Exons	1642..1956, 1668..1832		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	1735	End	2058
GI	none	Score	192
Exons	1735..2058		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o6.tm	Method	TBLASTX:Maize
Start	1998	End	2163
GI	none	Score	203
Exons	1998..2162, 1999..2163		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	2065	End	2424
GI	none	Score	295
Exons	2065..2424		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o4.tw	Method	TBLASTX:Wheat
Start	2137	End	2538
GI	none	Score	300
Exons	2137..2538		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	2166	End	2688
GI	none	Score	634
Exons	2166..2612, 2167..2688		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o4.ts	Method	TBLASTX:Soybean

Start	2448	End	2703
GI	none	Score	198
Exons	2448..2597, 2449..2703		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o5.tm	Method	TBLASTX:Maize
Start	2689	End	3114
GI	none	Score	226
Exons	2689..2892, 2691..2894, 2878..3114, 2994..3113		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o3.tw	Method	TBLASTX:Wheat
Start	2872	End	3282
GI	none	Score	321
Exons	2872..3282, 3039..3281, 3043..3282		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	3115	End	3752
GI	none	Score	769
Exons	3115..3750, 3117..3752		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	3145	End	3522
GI	none	Score	342
Exons	3145..3231, 3151..3522, 3168..3431, 3265..3522		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	3370	End	3957
GI	none	Score	312
Exons	3370..3762, 3459..3761, 3811..3957		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o4.tm	Method	TBLASTX:Maize
Start	3756	End	4395
GI	none	Score	379
Exons	3756..4121, 3757..4158, 4131..4376, 4132..4395		

Seq. No.	10875	Seq. ID	OJ990330_12.9922.C3
Gene No.	23139	Strand	+
Start	1	End	4920
Name	OJ990330_12.9922.C3.o5.tw	Method	TBLASTX:Wheat
Start	3958	End	4233

GI	none	Score	216
Exons	3958..4233, 3969..4193		
Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	1157	End	1837
GI	none	Score	72
Exons	1157..1420, 1254..1415, 1448..1837, 1491..1643		
Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o1.np	Method	AAT/NAP
Start	1184	End	5143
GI	3777527	Score	2279
Exons	1184..2950, 3005..4309, 4520..4747, 4883..5143		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		
Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	1199	End	1858
GI	none	Score	67
Exons	1199..1411, 1293..1412, 1430..1564, 1676..1846, 1685..1858		
Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	1199	End	1855
GI	none	Score	341
Exons	1199..1855, 1200..1847		
Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o4.tw	Method	TBLASTX:Wheat
Start	1226	End	1612
GI	none	Score	63
Exons	1226..1420, 1239..1415, 1313..1417, 1439..1612, 1497..1565		
Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o3.tw	Method	TBLASTX:Wheat
Start	1622	End	2038
GI	none	Score	73
Exons	1622..1858, 1623..1847, 1886..2038		
Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o4.ts	Method	TBLASTX:Soybean
Start	1838	End	2066

GI	none	Score	73
Exons	1838..2062, 1899..2066		

Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	2099	End	2546
GI	none	Score	343
Exons	2099..2545, 2109..2546		

Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	2208	End	2804
GI	5509260	Score	401
Exons	2208..2804, 2210..2737		
GI Descrip.	-		

Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	2225	End	2692
GI	none	Score	151
Exons	2225..2569, 2226..2393, 2308..2394, 2424..2552, 2603..2692, 2609..2686		

Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o2.tc	Method	TBLASTX:Cress
Start	2327	End	2593
GI	none	Score	122
Exons	2327..2593, 2328..2588		

Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	3030	End	3665
GI	none	Score	277
Exons	3030..3182, 3164..3265, 3177..3599, 3178..3507, 3582..3665, 3587..3631		

Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	3030	End	3491
GI	none	Score	52
Exons	3030..3158, 3049..3168, 3180..3491, 3187..3480		

Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143

Name	OJ990330_12.9922.C7.o3.tc	Method	TBLASTX:Cress
Start	3036	End	3473
GI	none	Score	181
Exons	3036..3167, 3183..3473		

Seq. No.	10876	Seq. ID	OJ990330_12.9922.C7
Gene No.	23140	Strand	-
Start	1184	End	5143
Name	OJ990330_12.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	3333	End	3896
GI	none	Score	96
Exons	3333..3620, 3334..3435, 3348..3623, 3660..3896, 3678..3890		

Seq. No.	10877	Seq. ID	OJ990330_12.9922.C8
Gene No.	23141	Strand	+
Start	56	End	516
Name	OJ990330_12.9922.C8.o1.gs	Method	GENSCAN
Start	56	End	516
GI	none	Score	.43
Exons	56..202, 272..516		

Seq. No.	10878	Seq. ID	OJ990330_12.9922.C9
Gene No.	23142	Strand	+
Start	1408	End	1546
Name	OJ990330_12.9922.C9.o1.gs	Method	GENSCAN
Start	1408	End	1546
GI	none	Score	.93
Exons	1408..1546		

Seq. No.	10878	Seq. ID	OJ990330_12.9922.C9
Gene No.	23143	Strand	-
Start	1614	End	2258
Name	OJ990330_12.9922.C9.o2.gs	Method	GENSCAN
Start	1614	End	2258
GI	none	Score	.5
Exons	1614..1658, 2182..2258		

Seq. No.	10878	Seq. ID	OJ990330_12.9922.C9
Gene No.	23144	Strand	-
Start	2394	End	2619
Name	OJ990330_12.9922.C9.o1.gp	Method	AAT/GAP
Start	2394	End	2619
GI	2312838	Score	63
Exons	2394..2421, 2562..2619		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	10879	Seq. ID	OJ990330_12.9922.C10
Gene No.	23145	Strand	+
Start	1577	End	1821
Name	OJ990330_12.9922.C10.o1.gs	Method	GENSCAN
Start	1577	End	1821
GI	none	Score	.95
Exons	1577..1821		

Seq. No.	10880	Seq. ID	OJ990330_12.9922.C11
Gene No.	23146	Strand	-

Start	202	End	2662
Name	OJ990330_12.9922.C11.o1.gs	Method	GENSCAN
Start	202	End	2662
GI	none	Score	.42
Exons	202..330, 404..621, 2050..2160, 2620..2662		

Seq. No.	10881	Seq. ID	OJ990330_12.9922.C12
Gene No.	23147	Strand	-
Start	889	End	2194
Name	OJ990330_12.9922.C12.o1.np	Method	AAT/NAP
Start	889	End	2194
GI	6815099	Score	94
Exons	889..1003, 2136..2194		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	10881	Seq. ID	OJ990330_12.9922.C12
Gene No.	23148	Strand	-
Start	6443	End	6612
Name	OJ990330_12.9922.C12.o2.gs	Method	GENSCAN
Start	6443	End	6612
GI	none	Score	.6
Exons	6443..6612		

Seq. No.	10882	Seq. ID	OJ990330_12.9922.C14
Gene No.	23149	Strand	+
Start	2260	End	2641
Name	OJ990330_12.9922.C14.o1.gs	Method	GENSCAN
Start	2260	End	2641
GI	none	Score	.98
Exons	2260..2466, 2557..2641		

Seq. No.	10883	Seq. ID	OJ990330_12.9922.C15
Gene No.	23150	Strand	-
Start	4955	End	6220
Name	OJ990330_12.9922.C15.o2.gs	Method	GENSCAN
Start	4955	End	6220
GI	none	Score	.56
Exons	4955..5074, 5145..5254, 5971..6087, 6146..6220		

Seq. No.	10884	Seq. ID	OJ990330_12.9922.C16
Gene No.	23151	Strand	-
Start	205	End	931
Name	OJ990330_12.9922.C16.o1.gs	Method	GENSCAN
Start	205	End	931
GI	none	Score	.92
Exons	205..392, 796..931		

Seq. No.	10884	Seq. ID	OJ990330_12.9922.C16
Gene No.	23152	Strand	-
Start	4035	End	7437
Name	OJ990330_12.9922.C16.o2.gs	Method	GENSCAN
Start	4035	End	7437
GI	none	Score	.76
Exons	4035..4499, 4569..5109, 6443..7437		

Seq. No.	10884	Seq. ID	OJ990330_12.9922.C16
Gene No.	23152	Strand	-

Start	4035	End	7437
Name	OJ990330_12.9922.C16.o1.np	Method	AAT/NAP
Start	4341	End	5039
GI	4678202	Score	157
Exons	4341..4492, 4649..4744, 4796..5039		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10884	Seq. ID	OJ990330_12.9922.C16
Gene No.	23153	Strand	-
Start	11080	End	14804
Name	OJ990330_12.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	4647	End	7143
GI	none	Score	75
Exons	4647..4739, 4794..4934, 4871..4987, 4884..5024, 4926..5024, 4927..5025, 4927..5025, 6787..6822, 6940..7026, 7022..7099, 7105..7143		

Seq. No.	10884	Seq. ID	OJ990330_12.9922.C16
Gene No.	23153	Strand	-
Start	11080	End	14804
Name	OJ990330_12.9922.C16.o3.gs	Method	GENSCAN
Start	11080	End	14789
GI	none	Score	.66
Exons	11080..11262, 11342..11440, 11535..11607, 11691..11836, 11896..12069, 12202..12861, 12863..13005, 13131..13272, 13368..13451, 13533..13832, 13851..14789		

Seq. No.	10884	Seq. ID	OJ990330_12.9922.C16
Gene No.	23153	Strand	-
Start	11080	End	14804
Name	OJ990330_12.9922.C16.o2.np	Method	AAT/NAP
Start	11090	End	14804
GI	4680204	Score	1004
Exons	11090..11321, 11671..11801, 11896..12069, 12176..13272, 13368..14804		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10884	Seq. ID	OJ990330_12.9922.C16
Gene No.	23153	Strand	-
Start	11080	End	14804
Name	OJ990330_12.9922.C16.o2.tw	Method	TBLASTX:Wheat
Start	13060	End	13757
GI	none	Score	54
Exons	13060..13278, 13205..13279, 13362..13436, 13677..13757		

Seq. No.	10884	Seq. ID	OJ990330_12.9922.C16
Gene No.	23153	Strand	-
Start	11080	End	14804
Name	OJ990330_12.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	13758	End	14161
GI	none	Score	73
Exons	13758..13928, 13759..13833, 13918..14058, 13926..14159, 13965..14159, 14021..14161, 14051..14161		

Seq. No.	10885	Seq. ID	OJ990330_12.9922.C18
Gene No.	23154	Strand	+
Start	140	End	583

Name	OJ990330_12.9922.C18.o1.gp	Method	AAT/GAP
Start	140	End	583
GI	LIB3431-028-P1-N1-A10	Score	745
Exons	140..210, 238..583		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	10885	Seq. ID	OJ990330_12.9922.C18
Gene No.	23155	Strand	-
Start	203	End	2157
Name	OJ990330_12.9922.C18.o1.gs	Method	GENSCAN
Start	203	End	2091
GI	none	Score	.73
Exons	203..401, 422..1295, 1623..2091		

Seq. No.	10885	Seq. ID	OJ990330_12.9922.C18
Gene No.	23155	Strand	-
Start	203	End	2157
Name	OJ990330_12.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	278	End	1576
GI	none	Score	53
Exons	278..370, 279..344, 359..439, 451..591, 452..592, 539..634, 571..630, 637..678, 637..681, 642..683, 676..1128, 692..1576, 866..1561, 1174..1569		

Seq. No.	10885	Seq. ID	OJ990330_12.9922.C18
Gene No.	23155	Strand	-
Start	203	End	2157
Name	OJ990330_12.9922.C18.o1.np	Method	AAT/NAP
Start	761	End	2157
GI	6742729	Score	2159
Exons	761..2157		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	10885	Seq. ID	OJ990330_12.9922.C18
Gene No.	23155	Strand	-
Start	203	End	2157
Name	OJ990330_12.9922.C18.o1.tc	Method	TBLASTX:Cress
Start	859	End	1306
GI	none	Score	196
Exons	859..1302, 859..1302, 863..1306, 866..1306		

Seq. No.	10885	Seq. ID	OJ990330_12.9922.C18
Gene No.	23155	Strand	-
Start	203	End	2157
Name	OJ990330_12.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	1237	End	1551
GI	none	Score	116
Exons	1237..1551, 1265..1540		

Seq. No.	10885	Seq. ID	OJ990330_12.9922.C18
Gene No.	23155	Strand	-
Start	203	End	2157
Name	OJ990330_12.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	1576	End	1981
GI	none	Score	78
Exons	1576..1656, 1577..1657, 1577..1660, 1582..1662, 1690..1932,		

1730..1912, 1918..1980, 1931..1981

Seq. No.	10886	Seq. ID	OJ990330_12.9922.C19
Gene No.	23156	Strand	-
Start	1	End	4894
Name	OJ990330_12.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	2488
GI	4680203	Score	1274
Exons	1..1221, 2425..2488		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10886	Seq. ID	OJ990330_12.9922.C19
Gene No.	23156	Strand	-
Start	1	End	4894
Name	OJ990330_12.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	66	End	418
GI	none	Score	120
Exons	66..116, 110..316, 111..299, 329..418		

Seq. No.	10886	Seq. ID	OJ990330_12.9922.C19
Gene No.	23156	Strand	-
Start	1	End	4894
Name	OJ990330_12.9922.C19.o1.gs	Method	GENSCAN
Start	98	End	1228
GI	none	Score	.73
Exons	98..262, 398..627, 751..1228		

Seq. No.	10886	Seq. ID	OJ990330_12.9922.C19
Gene No.	23156	Strand	-
Start	1	End	4894
Name	OJ990330_12.9922.C19.o1.tc	Method	TBLASTX:Cress
Start	110	End	425
GI	none	Score	74
Exons	110..418, 138..233, 273..425		

Seq. No.	10886	Seq. ID	OJ990330_12.9922.C19
Gene No.	23156	Strand	-
Start	1	End	4894
Name	OJ990330_12.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	158	End	587
GI	none	Score	123
Exons	158..454, 176..400, 449..511, 504..587, 512..586		

Seq. No.	10886	Seq. ID	OJ990330_12.9922.C19
Gene No.	23156	Strand	-
Start	1	End	4894
Name	OJ990330_12.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	173	End	796
GI	none	Score	43
Exons	173..298, 302..418, 360..422, 443..514, 444..491, 500..796, 504..635		

Seq. No.	10886	Seq. ID	OJ990330_12.9922.C19
Gene No.	23156	Strand	-
Start	1	End	4894
Name	OJ990330_12.9922.C19.o2.gs	Method	GENSCAN
Start	2070	End	4894

GI	none	Score	.67
Exons	2070..2169, 4634..4756, 4788..4894		

Seq. No.	10887	Seq. ID	OJ990330_12.9922.C20
Gene No.	23157	Strand	-
Start	611	End	722
Name	OJ990330_12.9922.C20.o1.gs	Method	GENSCAN
Start	611	End	722
GI	none	Score	.51
Exons	611..722		

Seq. No.	10888	Seq. ID	OJ990330_12.9922.C21
Gene No.	23158	Strand	+
Start	343	End	570
Name	OJ990330_12.9922.C21.o1.gs	Method	GENSCAN
Start	343	End	570
GI	none	Score	.45
Exons	343..452, 496..570		

Seq. No.	10888	Seq. ID	OJ990330_12.9922.C21
Gene No.	23159	Strand	-
Start	1286	End	2001
Name	OJ990330_12.9922.C21.o2.gs	Method	GENSCAN
Start	1286	End	2001
GI	none	Score	.88
Exons	1286..1839, 1890..2001		

Seq. No.	10889	Seq. ID	OJ990330_12.9922.C22
Gene No.	23160	Strand	+
Start	971	End	3900
Name	OJ990330_12.9922.C22.o1.gs	Method	GENSCAN
Start	971	End	3900
GI	none	Score	.66
Exons	971..1234, 1339..1506, 3115..3174, 3529..3900		

Seq. No.	10889	Seq. ID	OJ990330_12.9922.C22
Gene No.	23161	Strand	-
Start	1028	End	1530
Name	OJ990330_12.9922.C22.o1.np	Method	AAT/NAP
Start	1028	End	1530
GI	4678202	Score	236
Exons	1028..1530		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10889	Seq. ID	OJ990330_12.9922.C22
Gene No.	23161	Strand	-
Start	1028	End	1530
Name	OJ990330_12.9922.C22.o3.tm	Method	TBLASTX:Maize
Start	1164	End	1524
GI	none	Score	86
Exons	1164..1328, 1187..1330, 1366..1395, 1419..1478, 1423..1524		

Seq. No.	10889	Seq. ID	OJ990330_12.9922.C22
Gene No.	23162	Strand	
Start	5299	End	6142
Name	OJ990330_12.9922.C22.o1.tm	Method	TBLASTX:Maize
Start	5299	End	6009

GI	none	Score	352
Exons	5299..5811, 5409..5675, 5767..6009		

Seq. No.	10889	Seq. ID	OJ990330_12.9922.C22
Gene No.	23162	Strand	
Start	5299	End	6142
Name	OJ990330_12.9922.C22.o3.tw	Method	TBLASTX:Wheat
Start	5346	End	5691
GI	none	Score	126
Exons	5346..5522, 5347..5529, 5538..5675, 5539..5691		

Seq. No.	10889	Seq. ID	OJ990330_12.9922.C22
Gene No.	23162	Strand	
Start	5299	End	6142
Name	OJ990330_12.9922.C22.o1.ts	Method	TBLASTX:Soybean
Start	5620	End	6142
GI	none	Score	53
Exons	5620..5676, 5767..5958, 5956..6063, 6047..6142		

Seq. No.	10889	Seq. ID	OJ990330_12.9922.C22
Gene No.	23162	Strand	
Start	5299	End	6142
Name	OJ990330_12.9922.C22.o2.tw	Method	TBLASTX:Wheat
Start	5767	End	6127
GI	none	Score	218
Exons	5767..6063, 5905..6069, 6047..6127		

Seq. No.	10889	Seq. ID	OJ990330_12.9922.C22
Gene No.	23163	Strand	
Start	6293	End	6724
Name	OJ990330_12.9922.C22.o2.tm	Method	TBLASTX:Maize
Start	6293	End	6631
GI	none	Score	38
Exons	6293..6325, 6308..6532, 6539..6631		

Seq. No.	10889	Seq. ID	OJ990330_12.9922.C22
Gene No.	23163	Strand	
Start	6293	End	6724
Name	OJ990330_12.9922.C22.o1.tw	Method	TBLASTX:Wheat
Start	6362	End	6724
GI	none	Score	266
Exons	6362..6724, 6557..6700		

Seq. No.	10890	Seq. ID	OJ990330_12.9922.C23
Gene No.	23164	Strand	+
Start	279	End	836
Name	OJ990330_12.9922.C23.o1.gs	Method	GENSCAN
Start	279	End	836
GI	none	Score	.99
Exons	279..836		

Seq. No.	10890	Seq. ID	OJ990330_12.9922.C23
Gene No.	23165	Strand	-
Start	261	End	782
Name	OJ990330_12.9922.C23.o1.np	Method	AAT/NAP
Start	261	End	782
GI	4678202	Score	173

Exons	261..782		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	10891	Seq. ID	OJ990330_12.9922.C25
Gene No.	23166	Strand	-
Start	1	End	3495
Name	OJ990330_12.9922.C25.o1.np	Method	AAT/NAP
Start	1	End	2369
GI	4680207	Score	421
Exons	1..77, 1463..2369		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	10891	Seq. ID	OJ990330_12.9922.C25
Gene No.	23166	Strand	-
Start	1	End	3495
Name	OJ990330_12.9922.C25.o1.gs	Method	GENSCAN
Start	457	End	3495
GI	none	Score	.84
Exons	457..536, 602..2550, 2774..2906, 2954..3267, 3290..3495		
Seq. No.	10892	Seq. ID	OJ990330_12.9922.C26
Gene No.	23167	Strand	+
Start	2152	End	2411
Name	OJ990330_12.9922.C26.o1.gp	Method	AAT/GAP
Start	2152	End	2411
GI	427610	Score	370
Exons	2152..2411		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		
Seq. No.	10892	Seq. ID	OJ990330_12.9922.C26
Gene No.	23168	Strand	-
Start	1936	End	5404
Name	OJ990330_12.9922.C26.o1.gs	Method	GENSCAN
Start	1936	End	2365
GI	none	Score	.91
Exons	1936..2063, 2266..2365		
Seq. No.	10892	Seq. ID	OJ990330_12.9922.C26
Gene No.	23168	Strand	-
Start	1936	End	5404
Name	OJ990330_12.9922.C26.o1.np	Method	AAT/NAP
Start	2260	End	5404
GI	5852172	Score	113
Exons	2260..2398, 5255..5404		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		
Seq. No.	10893	Seq. ID	OJ990330_12.9922.C27
Gene No.	23169	Strand	+
Start	131	End	641
Name	OJ990330_12.9922.C27.o1.gs	Method	GENSCAN
Start	131	End	641
GI	none	Score	.58
Exons	131..641		
Seq. No.	10894	Seq. ID	OJ990330_12.9922.C29

Gene No.	23170	Strand	-
Start	55	End	697
Name	OJ990330_12.9922.C29.o1.ts	Method	TBLASTX:Soybean
Start	40	End	696
GI	none	Score	72
Exons	40..294, 128..289, 322..696, 365..517		

Seq. No.	10894	Seq. ID	OJ990330_12.9922.C29
Gene No.	23170	Strand	-
Start	55	End	697
Name	OJ990330_12.9922.C29.o1.np	Method	AAT/NAP
Start	55	End	697
GI	6630685	Score	679
Exons	55..697		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	10894	Seq. ID	OJ990330_12.9922.C29
Gene No.	23170	Strand	-
Start	55	End	697
Name	OJ990330_12.9922.C29.o1.tc	Method	TBLASTX:Cress
Start	73	End	693
GI	none	Score	67
Exons	73..285, 167..286, 304..438, 550..693, 559..678		

Seq. No.	10894	Seq. ID	OJ990330_12.9922.C29
Gene No.	23170	Strand	-
Start	55	End	697
Name	OJ990330_12.9922.C29.o1.tm	Method	TBLASTX:Maize
Start	73	End	696
GI	none	Score	320
Exons	73..696, 74..694		

Seq. No.	10894	Seq. ID	OJ990330_12.9922.C29
Gene No.	23170	Strand	-
Start	55	End	697
Name	OJ990330_12.9922.C29.o1.tw	Method	TBLASTX:Wheat
Start	100	End	579
GI	none	Score	63
Exons	100..294, 113..289, 187..291, 313..579, 371..439		

Seq. No.	10895	Seq. ID	OJ990330_12.9922.C33
Gene No.	23171	Strand	+
Start	82	End	364
Name	OJ990330_12.9922.C33.o1.gs	Method	GENSCAN
Start	82	End	364
GI	none	Score	.54
Exons	82..119, 286..364		

Seq. No.	10896	Seq. ID	OJ990330_12.9922.C35
Gene No.	23172	Strand	-
Start	1	End	377
Name	OJ990330_12.9922.C35.o1.np	Method	AAT/NAP
Start	1	End	377
GI	5922631	Score	392
Exons	1..377		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a		

region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	10896	Seq. ID	OJ990330_12.9922.C35
Gene No.	23172	Strand	-
Start	1	End	377
Name	OJ990330_12.9922.C35.o1.tw	Method	TBLASTX:Wheat
Start	18	End	302
GI	none	Score	55
Exons	18..302, 46..123, 202..288		

Seq. No.	10896	Seq. ID	OJ990330_12.9922.C35
Gene No.	23172	Strand	-
Start	1	End	377
Name	OJ990330_12.9922.C35.o1.gs	Method	GENSCAN
Start	50	End	326
GI	none	Score	.79
Exons	50..326		

Seq. No.	10897	Seq. ID	OJ990330_12.9922.C37
Gene No.	23173	Strand	+
Start	1	End	481
Name	OJ990330_12.9922.C37.o1.np	Method	AAT/NAP
Start	1	End	377
GI	5902444	Score	166
Exons	1..377		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	10897	Seq. ID	OJ990330_12.9922.C37
Gene No.	23173	Strand	+
Start	1	End	481
Name	OJ990330_12.9922.C37.o2.np	Method	AAT/NAP
Start	1	End	481
GI	6498441	Score	165
Exons	1..253, 312..481		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	10897	Seq. ID	OJ990330_12.9922.C37
Gene No.	23173	Strand	+
Start	1	End	481
Name	OJ990330_12.9922.C37.o1.gs	Method	GENSCAN
Start	61	End	380
GI	none	Score	.58
Exons	61..380		

Seq. No.	10897	Seq. ID	OJ990330_12.9922.C37
Gene No.	23173	Strand	+
Start	1	End	481
Name	OJ990330_12.9922.C37.o1.tw	Method	TBLASTX:Wheat
Start	183	End	481
GI	none	Score	171

Exons	183..479, 311..481		
Seq. No.	10898	Seq. ID	OJ990330_12.9922.C38
Gene No.	23174	Strand	+
Start	1	End	577
Name	OJ990330_12.9922.C38.o1.np	Method	AAT/NAP
Start	1	End	485
GI	3810596	Score	272
Exons	1..485		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	10898	Seq. ID	OJ990330_12.9922.C38
Gene No.	23174	Strand	+
Start	1	End	577
Name	OJ990330_12.9922.C38.o1.gs	Method	GENSCAN
Start	2	End	577
GI	none	Score	.45
Exons	2..577		
Seq. No.	10898	Seq. ID	OJ990330_12.9922.C38
Gene No.	23174	Strand	+
Start	1	End	577
Name	OJ990330_12.9922.C38.o1.tm	Method	TBLASTX:Maize
Start	4	End	262
GI	none	Score	286
Exons	4..249, 5..250, 5..262		
Seq. No.	10898	Seq. ID	OJ990330_12.9922.C38
Gene No.	23174	Strand	+
Start	1	End	577
Name	OJ990330_12.9922.C38.o1.tw	Method	TBLASTX:Wheat
Start	5	End	361
GI	none	Score	311
Exons	5..241, 8..361		
Seq. No.	10898	Seq. ID	OJ990330_12.9922.C38
Gene No.	23174	Strand	+
Start	1	End	577
Name	OJ990330_12.9922.C38.o2.tm	Method	TBLASTX:Maize
Start	265	End	523
GI	none	Score	196
Exons	265..504, 266..523		
Seq. No.	10899	Seq. ID	OJ990330_12.9922.C39
Gene No.	23175	Strand	+
Start	1	End	642
Name	OJ990330_12.9922.C39.o1.gs	Method	GENSCAN
Start	1	End	642
GI	none	Score	.57
Exons	1..642		
Seq. No.	10900	Seq. ID	OJ990330_12.9922.C40
Gene No.	23176	Strand	-
Start	1	End	147
Name	OJ990330_12.9922.C40.o1.np	Method	AAT/NAP
Start	1	End	147

GI	4680186	Score	155
Exons	1..147		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	10901	Seq. ID	OJ990330_12.9922.C44
Gene No.	23177	Strand	-
Start	329	End	396
Name	OJ990330_12.9922.C44.o1.gs	Method	GENSCAN
Start	329	End	396
GI	none	Score	.44
Exons	329..396		

Seq. No.	10902	Seq. ID	OJ990330_12.9922.C47
Gene No.	23178	Strand	-
Start	1	End	799
Name	OJ990330_12.9922.C47.o1.np	Method	AAT/NAP
Start	1	End	799
GI	6721512	Score	78
Exons	1..41, 628..799		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	10903	Seq. ID	OJ990330_12.9922.C48
Gene No.	23179	Strand	-
Start	12	End	786
Name	OJ990330_12.9922.C48.o1.gs	Method	GENSCAN
Start	12	End	786
GI	none	Score	.57
Exons	12..786		

Seq. No.	10904	Seq. ID	OJ990330_12.9922.C49
Gene No.	23180	Strand	+
Start	100	End	436
Name	OJ990330_12.9922.C49.o1.gs	Method	GENSCAN
Start	100	End	436
GI	none	Score	.75
Exons	100..172, 318..436		

Seq. No.	10904	Seq. ID	OJ990330_12.9922.C49
Gene No.	23181	Strand	-
Start	1	End	848
Name	OJ990330_12.9922.C49.o1.np	Method	AAT/NAP
Start	1	End	192
GI	2119980	Score	243
Exons	1..192		
GI Descrip.	transposase (transposons) - Escherichia coli gi|43089|emb|CAA42760| (X60200) transposase [Escherichia coli] gi|303566|dbj|BAA03914| (D16449) transposase [Escherichia coli]		

Seq. No.	10904	Seq. ID	OJ990330_12.9922.C49
Gene No.	23181	Strand	-
Start	1	End	848
Name	OJ990330_12.9922.C49.o2.np	Method	AAT/NAP
Start	1	End	848
GI	2121177	Score	712
Exons	1..142, 388..848		
GI Descrip.	hypothetical protein (transposon Tn1000) - Escherichia coli gi|43087|emb|CAA42758| (X60200) ORF [Escherichia coli]		

gi|303568|dbj|BAA03916| (D16449) ORF [Escherichia coli]

Seq. No.	10905	Seq. ID	OJ990330_12.9922.C50
Gene No.	23182	Strand	-
Start	135	End	267
Name	OJ990330_12.9922.C50.o1.gs	Method	GENSCAN
Start	135	End	267
GI	none	Score	.72
Exons	135..267		

Seq. No.	10906	Seq. ID	OJ990820_13.9924.C1
Gene No.	23183	Strand	+
Start	301	End	5457
Name	OJ990820_13.9924.C1.o1.gs	Method	GENSCAN
Start	301	End	5457
GI	none	Score	.59
Exons	301..575, 2729..2920, 2988..3125, 3148..3328, 4524..4994, 5099..5457		

Seq. No.	10906	Seq. ID	OJ990820_13.9924.C1
Gene No.	23184	Strand	-
Start	8039	End	9371
Name	OJ990820_13.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	91	End	467
GI	none	Score	118
Exons	91..252, 252..467		

Seq. No.	10906	Seq. ID	OJ990820_13.9924.C1
Gene No.	23184	Strand	-
Start	8039	End	9371
Name	OJ990820_13.9924.C1.o1.ts	Method	TBLASTX:Soybean
Start	142	End	464
GI	none	Score	116
Exons	142..249, 237..464, 251..430		

Seq. No.	10906	Seq. ID	OJ990820_13.9924.C1
Gene No.	23184	Strand	-
Start	8039	End	9371
Name	OJ990820_13.9924.C1.o1.tw	Method	TBLASTX:Wheat
Start	309	End	731
GI	none	Score	126
Exons	309..464, 311..472, 489..584, 600..731		

Seq. No.	10906	Seq. ID	OJ990820_13.9924.C1
Gene No.	23184	Strand	-
Start	8039	End	9371
Name	OJ990820_13.9924.C1.o2.gs	Method	GENSCAN
Start	8039	End	9371
GI	none	Score	.45
Exons	8039..8093, 9010..9155, 9208..9371		

Seq. No.	10907	Seq. ID	OJ990820_13.9924.C2
Gene No.	23185	Strand	+
Start	1	End	476
Name	OJ990820_13.9924.C2.o1.np	Method	AAT/NAP
Start	1	End	476
GI	2586082	Score	73

Exons	1..130, 433..476		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	10907	Seq. ID	OJ990820_13.9924.C2
Gene No.	23186	Strand	-
Start	287	End	388
Name	OJ990820_13.9924.C2.o1.gs	Method	GENSCAN
Start	287	End	388
GI	none	Score	.5
Exons	287..388		
Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o1.np	Method	AAT/NAP
Start	1	End	2641
GI	4680179	Score	2659
Exons	1..57, 399..2486, 2520..2641		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o1.gs	Method	GENSCAN
Start	395	End	2737
GI	none	Score	.61
Exons	395..1363, 1421..1721, 1812..2737		
Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	581	End	1084
GI	none	Score	227
Exons	581..1084, 659..1021, 663..1052		
Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	650	End	1013
GI	none	Score	169
Exons	650..1012, 659..1012, 663..1013		
Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o2.ts	Method	TBLASTX:Soybean
Start	833	End	1078
GI	none	Score	98
Exons	833..1078, 834..1061		
Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	1049	End	1549

GI	none	Score	50
Exons	1049..1363, 1092..1142, 1170..1223, 1370..1549, 1422..1541		

Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o3.tw	Method	TBLASTX:Wheat
Start	1085	End	1387
GI	none	Score	250
Exons	1085..1387, 1101..1376, 1327..1386		

Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	1100	End	1495
GI	none	Score	185
Exons	1100..1459, 1101..1376, 1422..1457, 1463..1495, 1464..1493		

Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o2.tw	Method	TBLASTX:Wheat
Start	1436	End	1922
GI	none	Score	266
Exons	1436..1813, 1479..1922, 1533..1844		

Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o3.tm	Method	TBLASTX:Maize
Start	1617	End	1907
GI	none	Score	201
Exons	1617..1907, 1619..1906		

Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o4.tw	Method	TBLASTX:Wheat
Start	2087	End	2455
GI	none	Score	65
Exons	2087..2200, 2088..2201, 2246..2455, 2313..2399		

Seq. No.	10908	Seq. ID	OJ990820_13.9924.C3
Gene No.	23187	Strand	-
Start	1	End	2737
Name	OJ990820_13.9924.C3.o4.tm	Method	TBLASTX:Maize
Start	2138	End	2488
GI	none	Score	191
Exons	2138..2488		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23188	Strand	+
Start	1180	End	1971
Name	OJ990820_13.9924.C4.o1.gs	Method	GENSCAN
Start	1180	End	1971
GI	none	Score	.96

Exons	1180..1971		
Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23188	Strand	+
Start	1180	End	1971
Name	OJ990820_13.9924.C4.o1.np	Method	AAT/NAP
Start	1180	End	1968
GI	4512231	Score	1257
Exons	1180..1968		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23189	Strand	+
Start	2241	End	8977
Name	OJ990820_13.9924.C4.o2.np	Method	AAT/NAP
Start	2195	End	6650
GI	4680179	Score	5651
Exons	2195..6650		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23189	Strand	+
Start	2241	End	8977
Name	OJ990820_13.9924.C4.o2.gs	Method	GENSCAN
Start	2241	End	8201
GI	none	Score	.59
Exons	2241..6592, 6984..7028, 7226..7394, 7432..7635, 7689..7876, 8156..8201		
Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23189	Strand	+
Start	2241	End	8977
Name	OJ990820_13.9924.C4.o3.np	Method	AAT/NAP
Start	7406	End	8977
GI	6063554	Score	148
Exons	7406..7590, 7689..7751, 8805..8977		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23190	Strand	+
Start	8964	End	18881
Name	OJ990820_13.9924.C4.o6.np	Method	AAT/NAP
Start	8964	End	18881
GI	5852180	Score	521
Exons	8964..8991, 9101..9141, 12542..12598, 13582..13706, 13758..14161, 18848..18881		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o9.tw	Method	TBLASTX:Wheat
Start	2402	End	10254
GI	none	Score	215
Exons	2402..2599, 2403..2600, 10055..10252, 10057..10254		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o7.tw	Method	TBLASTX:Wheat
Start	2651	End	10021
GI	none	Score	306
Exons	2651..2824, 2652..3002, 2800..2868, 9670..10020, 9827..10021		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o6.tm	Method	TBLASTX:Maize
Start	2652	End	10020
GI	none	Score	246
Exons	2652..2957, 9715..10020, 9890..10006		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o8.tw	Method	TBLASTX:Wheat
Start	3339	End	3680
GI	none	Score	248
Exons	3339..3680		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o7.tm	Method	TBLASTX:Maize
Start	3684	End	3877
GI	none	Score	190
Exons	3684..3875, 3722..3877		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o4.tw	Method	TBLASTX:Wheat
Start	3812	End	4296
GI	none	Score	535
Exons	3812..4252, 3813..4295, 3816..4292, 3922..4296		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o4.ts	Method	TBLASTX:Soybean
Start	3849	End	4163
GI	none	Score	198
Exons	3849..4163		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o4.tm	Method	TBLASTX:Maize
Start	3878	End	4325
GI	none	Score	373
Exons	3878..4120, 3882..4325		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	4236	End	4631
GI	none	Score	57
Exons	4236..4268, 4236..4268, 4272..4325, 4275..4415, 4380..4631, 4388..4618		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o5.tw	Method	TBLASTX:Wheat
Start	4363	End	4646
GI	none	Score	57
Exons	4363..4437, 4383..4646, 4385..4645		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o5.tm	Method	TBLASTX:Maize
Start	4380	End	4712
GI	none	Score	308
Exons	4380..4712, 4433..4711		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o3.tw	Method	TBLASTX:Wheat
Start	4647	End	5072
GI	none	Score	596
Exons	4647..5072, 4649..5065, 4722..5072		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o3.ts	Method	TBLASTX:Soybean
Start	4653	End	4901
GI	none	Score	210
Exons	4653..4901		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o2.tm	Method	TBLASTX:Maize
Start	4719	End	5072
GI	none	Score	467
Exons	4719..5072, 4724..5065		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o2.tw	Method	TBLASTX:Wheat
Start	5100	End	16221
GI	none	Score	626
Exons	5100..5639, 5282..5635, 5358..5639, 5359..5640, 15901..16215, 15902..16159, 15907..16221		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o4.np	Method	AAT/NAP
Start	5141	End	10503
GI	4680179	Score	703
Exons	5141..5161, 9652..10503		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	5337	End	16194
GI	none	Score	90
Exons	5337..5519, 5520..5663, 5522..5662, 15877..16017, 15878..16018, 16021..16194		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o2.ts	Method	TBLASTX:Soybean
Start	5427	End	16113
GI	none	Score	301
Exons	5427..5687, 5438..5686, 15852..15983, 15853..16113, 15854..16108		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o3.tm	Method	TBLASTX:Maize
Start	5486	End	16054
GI	none	Score	411
Exons	5486..5773, 5487..5777, 15763..16053, 15767..16054		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	5646	End	15894
GI	none	Score	723
Exons	5646..6272, 5702..6154, 6212..6271, 15268..15894, 15271..15393, 15380..15838		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	5825	End	15714
GI	none	Score	229
Exons	5825..5980, 5826..5987, 5846..5989, 5984..6157, 5985..6410, 6144..6389, 6212..6409, 15115..15555, 15131..15553, 15505..15555, 15553..15714, 15560..15706, 15669..15710		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881

Name	OJ990820_13.9924.C4.o6.tw	Method	TBLASTX:Wheat
Start	6272	End	15268
GI	none	Score	312
Exons	6272..6553, 6273..6605, 6438..6584, 14935..15267, 14956..15264, 14999..15268		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o3.gs	Method	GENSCAN
Start	9562	End	16546
GI	none	Score	.47
Exons	9562..10500, 10665..10756, 10897..11560, 12659..12754, 13641..13814, 13907..14199, 14904..15989, 16486..16546		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o3.gp	Method	AAT/GAP
Start	12448	End	12827
GI	uC-osflcyp033a04b1	Score	633
Exons	12448..12827		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o7.np	Method	AAT/NAP
Start	14890	End	18881
GI	4680179	Score	1878
Exons	14890..16238, 18799..18881		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	10909	Seq. ID	OJ990820_13.9924.C4
Gene No.	23191	Strand	-
Start	5141	End	18881
Name	OJ990820_13.9924.C4.o4.gp	Method	AAT/GAP
Start	16787	End	17297
GI	LIB3434-038-P1-K1-F1	Score	743
Exons	16787..17297		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	10910	Seq. ID	OJ990820_13.9924.C5
Gene No.	23192	Strand	+
Start	259	End	2137
Name	OJ990820_13.9924.C5.o1.np	Method	AAT/NAP
Start	259	End	2137
GI	6539581	Score	721
Exons	259..609, 943..1807, 1968..2137		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	10910	Seq. ID	OJ990820_13.9924.C5
Gene No.	23192	Strand	+
Start	259	End	2137

Name	OJ990820_13.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	351	End	576
GI	none	Score	263
Exons	351..575, 352..576		

Seq. No.	10910	Seq. ID	OJ990820_13.9924.C5
Gene No.	23192	Strand	+
Start	259	End	2137
Name	OJ990820_13.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	468	End	1380
GI	none	Score	137
Exons	468..596, 469..606, 469..600, 937..1380, 937..1245, 1315..1338		

Seq. No.	10910	Seq. ID	OJ990820_13.9924.C5
Gene No.	23192	Strand	+
Start	259	End	2137
Name	OJ990820_13.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	511	End	1446
GI	none	Score	67
Exons	511..606, 937..1170, 945..1151, 1207..1446		

Seq. No.	10910	Seq. ID	OJ990820_13.9924.C5
Gene No.	23192	Strand	+
Start	259	End	2137
Name	OJ990820_13.9924.C5.o2.tw	Method	TBLASTX:Wheat
Start	970	End	1407
GI	none	Score	158
Exons	970..1152, 1187..1405, 1189..1407		

Seq. No.	10911	Seq. ID	OJ990820_13.9924.C6
Gene No.	23193	Strand	-
Start	207	End	1090
Name	OJ990820_13.9924.C6.o1.gs	Method	GENSCAN
Start	207	End	1090
GI	none	Score	.64
Exons	207..432, 570..745, 992..1090		

Seq. No.	10912	Seq. ID	OJ990820_13.9924.C7
Gene No.	23194	Strand	+
Start	569	End	6774
Name	OJ990820_13.9924.C7.o1.gs	Method	GENSCAN
Start	569	End	6774
GI	none	Score	.66
Exons	569..1249, 1338..1447, 1489..1638, 1709..1771, 1863..1951, 2232..2463, 2693..2808, 4231..4391, 5106..5702, 6127..6267, 6585..6774		

Seq. No.	10912	Seq. ID	OJ990820_13.9924.C7
Gene No.	23195	Strand	-
Start	216	End	307
Name	OJ990820_13.9924.C7.o1.gp	Method	AAT/GAP
Start	216	End	307
GI	2798689	Score	106
Exons	216..307		

Seq. No.	10913	Seq. ID	OJ990820_13.9924.C8
Gene No.	23196	Strand	+

Start	1	End	719
Name	OJ990820_13.9924.C8.o1.np	Method	AAT/NAP
Start	1	End	719
GI	2586082	Score	989
Exons	1..719		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	10913	Seq. ID	OJ990820_13.9924.C8
Gene No.	23196	Strand	+
Start	1	End	719
Name	OJ990820_13.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	14	End	250
GI	none	Score	226
Exons	14..250, 22..231		

Seq. No.	10913	Seq. ID	OJ990820_13.9924.C8
Gene No.	23196	Strand	+
Start	1	End	719
Name	OJ990820_13.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	31	End	364
GI	5509260	Score	167
Exons	31..144, 32..250, 223..351, 224..364		
GI Descrip.	-		

Seq. No.	10913	Seq. ID	OJ990820_13.9924.C8
Gene No.	23196	Strand	+
Start	1	End	719
Name	OJ990820_13.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	31	End	568
GI	none	Score	186
Exons	31..150, 32..250, 223..291, 224..373, 365..568		

Seq. No.	10913	Seq. ID	OJ990820_13.9924.C8
Gene No.	23196	Strand	+
Start	1	End	719
Name	OJ990820_13.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	164	End	601
GI	none	Score	79
Exons	164..250, 184..222, 230..601, 244..330, 367..471, 514..561		

Seq. No.	10913	Seq. ID	OJ990820_13.9924.C8
Gene No.	23196	Strand	+
Start	1	End	719
Name	OJ990820_13.9924.C8.o2.tc	Method	TBLASTX:Cress
Start	428	End	676
GI	none	Score	198
Exons	428..676		

Seq. No.	10914	Seq. ID	OJ990820_13.9924.C9
Gene No.	23197	Strand	+
Start	1	End	4278
Name	OJ990820_13.9924.C9.o1.np	Method	AAT/NAP
Start	1	End	1321
GI	2943742	Score	578
Exons	1..1321		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	10914	Seq. ID	OJ990820_13.9924.C9
Gene No.	23197	Strand	+
Start	1	End	4278
Name	OJ990820_13.9924.C9.o2.np	Method	AAT/NAP
Start	1	End	4278
GI	2943742	Score	589
Exons	1..1321, 4244..4278		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	10914	Seq. ID	OJ990820_13.9924.C9
Gene No.	23197	Strand	+
Start	1	End	4278
Name	OJ990820_13.9924.C9.o1.gs	Method	GENSCAN
Start	61	End	306
GI	none	Score	.67
Exons	61..306		

Seq. No.	10914	Seq. ID	OJ990820_13.9924.C9
Gene No.	23197	Strand	+
Start	1	End	4278
Name	OJ990820_13.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	171	End	621
GI	none	Score	193
Exons	171..296, 172..543, 577..621		

Seq. No.	10914	Seq. ID	OJ990820_13.9924.C9
Gene No.	23197	Strand	+
Start	1	End	4278
Name	OJ990820_13.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	193	End	1319
GI	none	Score	226
Exons	193..501, 195..500, 1170..1319		

Seq. No.	10914	Seq. ID	OJ990820_13.9924.C9
Gene No.	23197	Strand	+
Start	1	End	4278
Name	OJ990820_13.9924.C9.o2.gs	Method	GENSCAN
Start	1123	End	3108
GI	none	Score	.7
Exons	1123..2167, 2617..2855, 2962..3108		

Seq. No.	10914	Seq. ID	OJ990820_13.9924.C9
Gene No.	23197	Strand	+
Start	1	End	4278
Name	OJ990820_13.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	1831	End	2459
GI	none	Score	44
Exons	1831..1857, 1954..2343, 2100..2348, 2353..2439, 2355..2459, 2384..2440		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23198	Strand	+
Start	3021	End	19115
Name	OJ990820_13.9924.C10.o4.np	Method	AAT/NAP
Start	3021	End	14709
GI	2943742	Score	791
Exons	3021..3037, 9943..11884, 14612..14709		

GI Descrip. (AB002266) XA1 [Oryza sativa]

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23198	Strand	+
Start	3021	End	19115
Name	OJ990820_13.9924.C10.o3.np	Method	AAT/NAP
Start	9943	End	15649
GI	2943742	Score	784
Exons	9943..11889, 15629..15649		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23198	Strand	+
Start	3021	End	19115
Name	OJ990820_13.9924.C10.o2.np	Method	AAT/NAP
Start	10062	End	11277
GI	2792210	Score	637
Exons	10062..11277		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23198	Strand	+
Start	3021	End	19115
Name	OJ990820_13.9924.C10.o2.gs	Method	GENSCAN
Start	14646	End	19115
GI	none	Score	.54
Exons	14646..14955, 15237..15315, 15359..15454, 15686..15846, 16834..18567, 18849..18927, 18971..19115		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23198	Strand	+
Start	3021	End	19115
Name	OJ990820_13.9924.C10.o5.np	Method	AAT/NAP
Start	14646	End	18967
GI	6815052	Score	2534
Exons	14646..14799, 14881..14955, 15237..15354, 15653..15752, 16615..16707, 17490..17625, 17674..18411, 18493..18567, 18849..18967		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23199	Strand	+
Start	21151	End	21204
Name	OJ990820_13.9924.C10.o1.gp	Method	AAT/GAP
Start	21151	End	21204
GI	uC-osflcyp111c03a1	Score	86
Exons	21151..21204		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 4.0e-11 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23200	Strand	+
Start	21291	End	21450
Name	OJ990820_13.9924.C10.o2.gp	Method	AAT/GAP
Start	21291	End	21450
GI	uC-osflm202104a07b1	Score	143
Exons	21291..21450		

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23201	Strand	+
Start	22906	End	23569
Name	OJ990820_13.9924.C10.o4.gs	Method	GENSCAN
Start	22906	End	23569
GI	none	Score	.64
Exons	22906..23341, 23517..23569		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23202	Strand	+
Start	25258	End	29606
Name	OJ990820_13.9924.C10.o7.np	Method	AAT/NAP
Start	25258	End	26616
GI	1176807	Score	26
Exons	25258..25358, 26466..26616		
GI Descrip.	HYPOTHETICAL 118.2 KD PROTEIN F43C1.1 IN CHROMOSOME III gi|3877068|emb|CAA87056.1| (Z46937) similarity to the leucine rich repeat (LRR) segment found in many proteins [Caenorhabditis elegans]		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23202	Strand	+
Start	25258	End	29606
Name	OJ990820_13.9924.C10.o6.gs	Method	GENSCAN
Start	26192	End	29606
GI	none	Score	.73
Exons	26192..26194, 26767..26958, 29208..29606		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23203	Strand	-
Start	3907	End	8511
Name	OJ990820_13.9924.C10.o1.np	Method	AAT/NAP
Start	3907	End	8511
GI	3746069	Score	80
Exons	3907..3958, 8129..8511		
GI Descrip.	(AC005311) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23204	Strand	-
Start	19453	End	20690
Name	OJ990820_13.9924.C10.o3.gs	Method	GENSCAN
Start	19453	End	20690
GI	none	Score	.76
Exons	19453..19623, 19734..19758, 19851..19934, 19964..20434, 20512..20690		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o3.tw	Method	TBLASTX:Wheat
Start	8159	End	8514
GI	none	Score	73
Exons	8159..8344, 8164..8388, 8389..8514, 8390..8512		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o3.tm	Method	TBLASTX:Maize
Start	9586	End	10065
GI	none	Score	198
Exons	9586..9822, 9638..9820, 9807..9932, 9841..9924, 9890..10045, 9963..10049, 9963..10058, 9964..10065		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	10226	End	10599
GI	none	Score	221
Exons	10226..10597, 10226..10597, 10252..10599, 10255..10599		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o4.tm	Method	TBLASTX:Maize
Start	10729	End	11184
GI	none	Score	195
Exons	10729..11031, 11053..11184		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	10747	End	11211
GI	none	Score	254
Exons	10747..11100, 11140..11211		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o5.tm	Method	TBLASTX:Maize
Start	12394	End	13107
GI	none	Score	50
Exons	12394..12426, 12505..12771, 12517..12813, 12576..12809, 12783..12968, 12784..12969, 12785..12988, 12994..13107		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o2.tw	Method	TBLASTX:Wheat
Start	16941	End	17435
GI	none	Score	314
Exons	16941..17435, 16965..17231, 17177..17335		

Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o6.np	Method	AAT/NAP
Start	23941	End	29551
GI	4895169	Score	466

Exons	23941..23990, 24063..24518, 24657..24764, 24808..25144, 29528..29551		
GI Descrip.	(AC007662) putative helicase [Arabidopsis thaliana]		
Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o5.gs	Method	GENSCAN
Start	23947	End	25366
GI	none	Score	.45
Exons	23947..24732, 24765..24970, 25297..25366		
Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	24199	End	24539
GI	none	Score	333
Exons	24199..24510, 24200..24529, 24243..24539		
Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	24274	End	24517
GI	none	Score	78
Exons	24274..24510, 24317..24517		
Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	24394	End	24757
GI	none	Score	153
Exons	24394..24618, 24395..24619, 24622..24756, 24623..24757		
Seq. No.	10915	Seq. ID	OJ990820_13.9924.C10
Gene No.	23205	Strand	-
Start	23947	End	29724
Name	OJ990820_13.9924.C10.o8.np	Method	AAT/NAP
Start	28177	End	29724
GI	2944437	Score	170
Exons	28177..28197, 29394..29724		
GI Descrip.	(AF051153) globulin 1 precursor [Oryza sativa]		
Seq. No.	10916	Seq. ID	OJ990820_13.9924.C11
Gene No.	23206	Strand	+
Start	357	End	480
Name	OJ990820_13.9924.C11.o1.gs	Method	GENSCAN
Start	357	End	480
GI	none	Score	.71
Exons	357..480		
Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23207	Strand	+
Start	335	End	7226
Name	OJ990820_13.9924.C12.o1.gs	Method	GENSCAN

Start	335	End	4660
GI	none	Score	.41
Exons	335..2328, 2485..2663, 3175..3232, 4654..4660		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23207	Strand	+
Start	335	End	7226
Name	OJ990820_13.9924.C12.o2.np	Method	AAT/NAP
Start	788	End	7173
GI	2943742	Score	749
Exons	788..2819, 5085..5207, 5946..6095, 6126..6360, 6821..7173		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23207	Strand	+
Start	335	End	7226
Name	OJ990820_13.9924.C12.o1.np	Method	AAT/NAP
Start	908	End	2113
GI	2792210	Score	670
Exons	908..2113		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23207	Strand	+
Start	335	End	7226
Name	OJ990820_13.9924.C12.o2.gs	Method	GENSCAN
Start	6045	End	7226
GI	none	Score	.56
Exons	6045..7226		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23208	Strand	+
Start	8333	End	8527
Name	OJ990820_13.9924.C12.o3.gs	Method	GENSCAN
Start	8333	End	8527
GI	none	Score	.59
Exons	8333..8527		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23209	Strand	+
Start	11056	End	11343
Name	OJ990820_13.9924.C12.o1.gp	Method	AAT/GAP
Start	11056	End	11343
GI	none	Score	551
Exons	11056..11343		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23210	Strand	-
Start	6146	End	8507
Name	OJ990820_13.9924.C12.o3.np	Method	AAT/NAP
Start	6146	End	8507
GI	5922634	Score	109
Exons	6146..6189, 8414..8507		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23211	Strand	-
Start	11160	End	11312
Name	OJ990820_13.9924.C12.o2.tm	Method	TBLASTX:Maize
Start	423	End	910
GI	none	Score	243
Exons	423..623, 425..724, 592..762, 755..910, 811..870		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23211	Strand	-
Start	11160	End	11312
Name	OJ990820_13.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	1064	End	1441
GI	none	Score	107
Exons	1064..1150, 1066..1155, 1157..1441, 1161..1409, 1163..1429		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23211	Strand	-
Start	11160	End	11312
Name	OJ990820_13.9924.C12.o3.tm	Method	TBLASTX:Maize
Start	1568	End	1867
GI	none	Score	193
Exons	1568..1867		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23211	Strand	-
Start	11160	End	11312
Name	OJ990820_13.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	1589	End	2722
GI	none	Score	247
Exons	1589..1951, 1591..1704, 1726..1860, 1976..2047, 2627..2722		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23211	Strand	-
Start	11160	End	11312
Name	OJ990820_13.9924.C12.o4.tm	Method	TBLASTX:Maize
Start	6726	End	7115
GI	none	Score	37
Exons	6726..6794, 6795..6869, 6797..6868, 6885..7115, 6986..7024		

Seq. No.	10917	Seq. ID	OJ990820_13.9924.C12
Gene No.	23211	Strand	-
Start	11160	End	11312
Name	OJ990820_13.9924.C12.o4.gs	Method	GENSCAN
Start	11160	End	11312
GI	none	Score	.81
Exons	11160..11312		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23212	Strand	+
Start	9	End	19623
Name	OJ990820_13.9924.C13.o1.np	Method	AAT/NAP
Start	9	End	4813
GI	2586082	Score	4744
Exons	9..93, 485..3075, 3115..3946, 3986..4813		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23212	Strand	+
Start	9	End	19623
Name	OJ990820_13.9924.C13.o3.np	Method	AAT/NAP
Start	1397	End	19623
GI	5702196	Score	483
Exons	1397..1465, 7870..8362, 11196..12528, 17527..17620, 19587..19623		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23212	Strand	+
Start	9	End	19623
Name	OJ990820_13.9924.C13.o2.np	Method	AAT/NAP
Start	9010	End	11064
GI	6069646	Score	1000
Exons	9010..9792, 10075..11064		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23212	Strand	+
Start	9	End	19623
Name	OJ990820_13.9924.C13.o4.np	Method	AAT/NAP
Start	14189	End	17764
GI	2258319	Score	80
Exons	14189..14214, 17062..17198, 17479..17764		
GI Descrip.	(AF004880) resistance complex protein I2C-3 [Lycopersicon esculentum]		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23213	Strand	-
Start	4821	End	5139
Name	OJ990820_13.9924.C13.o1.gp	Method	AAT/GAP
Start	4821	End	5139
GI	none	Score	603
Exons	4821..5139		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23214	Strand	-
Start	20012	End	21306
Name	OJ990820_13.9924.C13.o2.gs	Method	GENSCAN
Start	20012	End	21306
GI	none	Score	.74
Exons	20012..20062, 20931..21092, 21146..21208, 21262..21306		

Seq. No.	10918	Seq. ID	OJ990820_13:9924.C13
Gene No.	23215	Strand	-
Start	21720	End	21862
Name	OJ990820_13.9924.C13.o2.gp	Method	AAT/GAP
Start	21720	End	21862
GI	21474_1.R1084	Score	254
Exons	21720..21862		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o3.tm	Method	TBLASTX:Maize
Start	480	End	909
GI	none	Score	100
Exons	480..578, 490..582, 610..909, 630..887		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o7.tw	Method	TBLASTX:Wheat
Start	493	End	918
GI	none	Score	91
Exons	493..615, 498..614, 600..728, 604..714, 733..888, 883..918		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o11.tm	Method	TBLASTX:Maize
Start	910	End	1476
GI	none	Score	81
Exons	910..1041, 1231..1476, 1354..1476		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o2.tw	Method	TBLASTX:Wheat
Start	1294	End	1686
GI	none	Score	264
Exons	1294..1527, 1345..1479, 1507..1686, 1521..1685		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o3.ts	Method	TBLASTX:Soybean
Start	1753	End	2163
GI	none	Score	186
Exons	1753..1968, 1859..1972, 1993..2163		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o5.tw	Method	TBLASTX:Wheat
Start	1972	End	2586
GI	none	Score	165
Exons	1972..2160, 2179..2370, 2380..2442, 2479..2586		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	2173	End	2622
GI	none	Score	354
Exons	2173..2622		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o4.ts	Method	TBLASTX:Soybean
Start	2185	End	2604
GI	none	Score	264
Exons	2185..2604		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o10.tm	Method	TBLASTX:Maize
Start	2278	End	2601
GI	none	Score	285
Exons	2278..2601, 2409..2597		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o2.ts	Method	TBLASTX:Soybean
Start	3223	End	3738
GI	5509260	Score	269
Exons	3223..3624, 3237..3338, 3363..3518, 3597..3725, 3598..3738		
GI Descrip.	-		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o2.tc	Method	TBLASTX:Cress
Start	3354	End	3624
GI	none	Score	276
Exons	3354..3605, 3355..3624		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o4.tw	Method	TBLASTX:Wheat
Start	3405	End	3915
GI	none	Score	186
Exons	3405..3524, 3406..3624, 3597..3665, 3598..3747, 3739..3915		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o6.tm	Method	TBLASTX:Maize
Start	3405	End	3858
GI	none	Score	161
Exons	3405..3590, 3406..3624, 3597..3764, 3598..3777, 3814..3858		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o1.tw	Method	TBLASTX:Wheat
Start	3986	End	4402
GI	none	Score	401
Exons	3986..4402, 4006..4287, 4139..4294, 4315..4401		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o2.tm	Method	TBLASTX:Maize
Start	4157	End	4813
GI	none	Score	291
Exons	4157..4555, 4171..4503, 4591..4656, 4592..4813		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o1.ts	Method	TBLASTX:Soybean
Start	4166	End	4762
GI	none	Score	547
Exons	4166..4762, 4168..4293, 4354..4557, 4592..4681		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o8.tm	Method	TBLASTX:Maize
Start	7283	End	7722
GI	none	Score	105
Exons	7283..7471, 7284..7472, 7285..7620, 7285..7632, 7621..7722		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o9.tm	Method	TBLASTX:Maize
Start	7876	End	8253
GI	none	Score	101
Exons	7876..7962, 7878..7958, 7969..8028, 7970..8014, 7975..8028, 8050..8160, 8051..8188, 8051..8185, 8191..8253, 8193..8249, 8200..8253		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o7.tm	Method	TBLASTX:Maize
Start	8375	End	8808
GI	none	Score	84
Exons	8375..8476, 8398..8475, 8467..8808, 8520..8699		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o8.tw	Method	TBLASTX:Wheat
Start	8887	End	9222
GI	none	Score	85
Exons	8887..9039, 9040..9222		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o4.tm	Method	TBLASTX:Maize
Start	8968	End	9321
GI	none	Score	362
Exons	8968..9321, 8979..9308		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o9.tw	Method	TBLASTX:Wheat
Start	9229	End	9534
GI	none	Score	187
Exons	9229..9534, 9378..9524		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	9322	End	10008
GI	none	Score	465
Exons	9322..10008, 9372..9476, 9501..9659, 9735..9941		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o6.ts	Method	TBLASTX:Soybean
Start	9628	End	10167
GI	none	Score	163
Exons	9628..9978, 9810..9926, 10038..10115, 10039..10167		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o3.tw	Method	TBLASTX:Wheat
Start	9649	End	10089
GI	none	Score	256
Exons	9649..9945, 9651..9941, 9931..10089, 9952..10059		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o12.tm	Method	TBLASTX:Maize
Start	10020	End	10245
GI	none	Score	235
Exons	10020..10244, 10021..10245		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o5.tm	Method	TBLASTX:Maize
Start	10576	End	10862
GI	none	Score	319
Exons	10576..10776, 10578..10862, 10582..10857		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o10.tw	Method	TBLASTX:Wheat
Start	10587	End	10938
GI	none	Score	158
Exons	10587..10754, 10591..10776, 10891..10938		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o5.ts	Method	TBLASTX:Soybean
Start	11240	End	11699
GI	none	Score	119
Exons	11240..11404, 11427..11603, 11628..11699		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o14.tm	Method	TBLASTX:Maize
Start	16485	End	17186
GI	none	Score	50
Exons	16485..16517, 16608..16727, 16731..17069, 16790..16900, 16940..17047, 17125..17178, 17136..17186		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o13.tm	Method	TBLASTX:Maize
Start	17286	End	17663
GI	none	Score	84
Exons	17286..17417, 17292..17414, 17417..17578, 17418..17663		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o3.gs	Method	GENSCAN
Start	22226	End	26913
GI	none	Score	.8
Exons	22226..22411, 22491..22589, 22684..22756, 22841..22951, 23048..23221, 23331..24427, 24502..24687, 24743..25017, 25065..25701, 25768..25924, 26840..26913		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o5.np	Method	AAT/NAP
Start	22244	End	25924
GI	4680204	Score	1024
Exons	22244..22381, 22732..22951, 23048..23221, 23331..24427, 24502..25924		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	10918	Seq. ID	OJ990820_13.9924.C13
Gene No.	23216	Strand	-
Start	22226	End	26913
Name	OJ990820_13.9924.C13.o6.tw	Method	TBLASTX:Wheat
Start	24893	End	25295
GI	none	Score	87
Exons	24893..24970, 25025..25192, 25057..25293, 25144..25293, 25155..25295, 25185..25295		

Seq. No.	10919	Seq. ID	OJ990820_13.9924.C14
Gene No.	23217	Strand	+
Start	1797	End	2686

Name	OJ990820_13.9924.C14.o4.gp	Method	AAT/GAP
Start	1797	End	2686
GI	101153_1.R1084	Score	974
Exons	1797..2141, 2459..2686		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	10919	Seq. ID	OJ990820_13.9924.C14
Gene No.	23218	Strand	+
Start	2705	End	3132
Name	OJ990820_13.9924.C14.o5.gp	Method	AAT/GAP
Start	2705	End	3132
GI	2428185	Score	829
Exons	2705..3132		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	10919	Seq. ID	OJ990820_13.9924.C14
Gene No.	23219	Strand	-
Start	2	End	6980
Name	OJ990820_13.9924.C14.o1.gp	Method	AAT/GAP
Start	2	End	723
GI	342_1.R1084	Score	1033
Exons	2..516, 626..723		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10919	Seq. ID	OJ990820_13.9924.C14
Gene No.	23219	Strand	-
Start	2	End	6980
Name	OJ990820_13.9924.C14.o2.gp	Method	AAT/GAP
Start	2	End	2893
GI	342_1.R1084	Score	1030
Exons	2..516, 626..730, 2838..2893		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10919	Seq. ID	OJ990820_13.9924.C14
Gene No.	23219	Strand	-
Start	2	End	6980
Name	OJ990820_13.9924.C14.o3.gp	Method	AAT/GAP
Start	2	End	724
GI	342_1.R1084	Score	1027
Exons	2..516, 626..724		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	10919	Seq. ID	OJ990820_13.9924.C14
Gene No.	23219	Strand	-
Start	2	End	6980
Name	OJ990820_13.9924.C14.o1.np	Method	AAT/NAP
Start	834	End	6980
GI	4680203	Score	976
Exons	834..943, 3910..4707, 6862..6980		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	10919	Seq. ID	OJ990820_13.9924.C14

Gene No.	23219	Strand	-
Start	2	End	6980
Name	OJ990820_13.9924.C14.o7.gp	Method	AAT/GAP
Start	3660	End	3953
GI	61605_3.R1084	Score	465
Exons	3660..3953		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	10919	Seq. ID	OJ990820_13.9924.C14
Gene No.	23219	Strand	-
Start	2	End	6980
Name	OJ990820_13.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	3943	End	4233
GI	none	Score	103
Exons	3943..4008, 4015..4233, 4019..4225		

Seq. No.	10919	Seq. ID	OJ990820_13.9924.C14
Gene No.	23219	Strand	-
Start	2	End	6980
Name	OJ990820_13.9924.C14.o1.tw	Method	TBLASTX:Wheat
Start	4005	End	4356
GI	none	Score	187
Exons	4005..4256, 4015..4266, 4016..4258, 4249..4356		

Seq. No.	10919	Seq. ID	OJ990820_13.9924.C14
Gene No.	23219	Strand	-
Start	2	End	6980
Name	OJ990820_13.9924.C14.o8.gp	Method	AAT/GAP
Start	4568	End	5155
GI	2310235	Score	300
Exons	4568..4707, 5118..5155		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	10920	Seq. ID	OJ990430_09.9924.C1
Gene No.	23220	Strand	-
Start	378	End	696
Name	OJ990430_09.9924.C1.o1.gs	Method	GENSCAN
Start	378	End	696
GI	none	Score	.84
Exons	378..491, 589..696		

Seq. No.	10921	Seq. ID	OJ990430_09.9924.C3
Gene No.	23221	Strand	+
Start	153	End	542
Name	OJ990430_09.9924.C3.o1.gs	Method	GENSCAN
Start	153	End	542
GI	none	Score	.76
Exons	153..378, 456..542		

Seq. No.	10922	Seq. ID	OJ990430_09.9924.C4
Gene No.	23222	Strand	-
Start	363	End	440
Name	OJ990430_09.9924.C4.o1.gs	Method	GENSCAN
Start	363	End	440
GI	none	Score	.74

Exons	363..440		
Seq. No.	10923	Seq. ID	OJ990430_09.9924.C5
Gene No.	23223	Strand	-
Start	293	End	364
Name	OJ990430_09.9924.C5.o1.gs	Method	GENSCAN
Start	293	End	364
GI	none	Score	.65
Exons	293..364		
Seq. No.	10924	Seq. ID	OJ990430_09.9924.C6
Gene No.	23224	Strand	-
Start	126	End	275
Name	OJ990430_09.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	271
GI	none	Score	59
Exons	1..42, 1..39, 121..270, 125..271, 125..271		
Seq. No.	10924	Seq. ID	OJ990430_09.9924.C6
Gene No.	23224	Strand	-
Start	126	End	275
Name	OJ990430_09.9924.C6.o1.gs	Method	GENSCAN
Start	126	End	275
GI	none	Score	.86
Exons	126..275		
Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o3.gs	Method	GENSCAN
Start	19720	End	27665
GI	none	Score	.81
Exons	19720..19785, 19919..20125, 20236..20448, 20453..20941, 22159..22275, 22690..22755, 23616..23686, 23803..23943, 24310..24388, 25232..25945, 26411..26519, 26634..26800, 27552..27665		
Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o3.np	Method	AAT/NAP
Start	19755	End	27551
GI	3549665	Score	743
Exons	19755..20153, 20812..20941, 22159..22261, 22628..22799, 23837..23943, 24310..24407, 25236..25962, 26401..26519, 26634..26800, 27247..27321, 27396..27551		
GI Descrip.	(AL031394) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o5.np	Method	AAT/NAP
Start	21295	End	49555
GI	6102610	Score	1047
Exons	21295..21349, 37861..38055, 38153..38266, 38757..38891, 39057..39204, 40043..40113, 40563..40808, 40961..41085, 41711..42101, 42174..42393, 42634..42819, 43103..43368,		

	43876..44750, 44843..44979, 46395..46552, 46631..46840, 47268..47744, 47833..48114, 48281..48666, 49144..49348, 49476..49555		
GI Descrip.	(AF187317) CAF protein [Arabidopsis thaliana]		
Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o2.gp	Method	AAT/GAP
Start	23839	End	25503
GI	2310068	Score	822
Exons	23839..23943, 24310..24388, 25232..25503		
GI Descrip.	3549665/emb|CAA20576.1| 8.0e-17 (AL031394) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o3.gp	Method	AAT/GAP
Start	28718	End	29123
GI	4715935	Score	799
Exons	28718..29123		
Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o4.gs	Method	GENSCAN
Start	29686	End	31616
GI	none	Score	.87
Exons	29686..29768, 29794..30174, 31187..31616		
Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o5.gs	Method	GENSCAN
Start	33915	End	36685
GI	none	Score	.92
Exons	33915..33999, 34766..35004, 35206..35342, 35980..36685		
Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o4.gp	Method	AAT/GAP
Start	36733	End	37109
GI	3760516	Score	699
Exons	36733..37109		
Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o6.gs	Method	GENSCAN
Start	37464	End	51411
GI	none	Score	.82
Exons	37464..37798, 37872..37986, 38153..38266, 38757..38891, 40030..40161, 40945..41080, 41709..41814, 41909..42101, 42174..42334, 42676..42813, 43103..43368, 43876..44150, 44242..44698, 46344..46552, 46631..46840, 47268..47744,		

47833..48114, 48281..48607, 49159..49270, 49375..49475,
49726..49860, 50117..50190, 50753..50876, 51133..51411

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o5.gp	Method	AAT/GAP
Start	47945	End	48612
GI	31990_1.R1084	Score	896
Exons	47945..48114, 48281..48612		
GI Descrip.	'6102610/gb|AAF03534.1|AF187317_1 1.0e-21 (AF187317) CAF protein [Arabidopsis thaliana]'		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23225	Strand	+
Start	19720	End	53052
Name	OJ990430_09.9924.C7.o6.np	Method	AAT/NAP
Start	49418	End	53052
GI	6006359	Score	57
Exons	49418..49459, 51207..51326, 53033..53052		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23226	Strand	+
Start	56525	End	56874
Name	OJ990430_09.9924.C7.o8.gs	Method	GENSCAN
Start	56525	End	56874
GI	none	Score	.88
Exons	56525..56539, 56755..56874		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23227	Strand	-
Start	928	End	8882
Name	OJ990430_09.9924.C7.o1.gs	Method	GENSCAN
Start	928	End	8882
GI	none	Score	.65
Exons	928..1039, 1133..1269, 1387..1527, 3293..3376, 3650..4114, 4230..4308, 5845..5882, 5993..6156, 6256..6393, 6523..6832, 6874..7146, 7271..7417, 8496..8882		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23227	Strand	-
Start	928	End	8882
Name	OJ990430_09.9924.C7.o1.np	Method	AAT/NAP
Start	1282	End	3376
GI	6329166	Score	105
Exons	1282..1527, 3296..3376		
GI Descrip.	(AB023485) transcription factor CA150b [Mus musculus]		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23227	Strand	-
Start	928	End	8882
Name	OJ990430_09.9924.C7.o1.gp	Method	AAT/GAP
Start	3289	End	3378
GI	LIB3431-020-P1-K1-C3	Score	133
Exons	3289..3378		
GI Descrip.	'3549665/emb|CAA20576.1| 8.0e-17 (AL031394) hypothetical protein		

[Arabidopsis thaliana]'

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23228	Strand	-
Start	10347	End	17714
Name	OJ990430_09.9924.C7.o2.gs	Method	GENSCAN
Start	10347	End	17714
GI	none	Score	.65
Exons	10347..10954, 11440..11581, 12020..12117, 12442..14269, 14703..15110, 15263..15315, 15833..16249, 16773..17147, 17408..17714		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o8.tm	Method	TBLASTX:Maize
Start	922	End	1523
GI	none	Score	118
Exons	922..1041, 928..1029, 1132..1212, 1132..1260, 1133..1201, 1134..1241, 1135..1242, 1135..1257, 1385..1483, 1386..1463, 1386..1523		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o4.tm	Method	TBLASTX:Maize
Start	3732	End	4127
GI	none	Score	429
Exons	3732..4127, 3732..4115, 3752..4120		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	10225	End	10940
GI	none	Score	44
Exons	10225..10260, 10341..10874, 10349..10687, 10353..10826, 10736..10828, 10791..10940, 10845..10925		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o2.tm	Method	TBLASTX:Maize
Start	12512	End	12926
GI	none	Score	449
Exons	12512..12925, 12516..12926		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o10.tm	Method	TBLASTX:Maize
Start	12926	End	13346
GI	none	Score	71
Exons	12926..13126, 12927..13019, 12928..13113, 13050..13127, 13124..13345, 13128..13346, 13128..13346		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7

Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o7.tm	Method	TBLASTX:Maize
Start	13673	End	13956
GI	none	Score	237
Exons	13673..13954, 13675..13956, 13684..13956		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o12.tm	Method	TBLASTX:Maize
Start	20891	End	25364
GI	none	Score	75
Exons	20891..20950, 22156..22251, 22693..22758, 22697..22753, 22785..22844, 23836..23943, 23837..23944, 24307..24387, 24308..24388, 24311..24403, 25225..25344, 25226..25351, 25230..25364, 25230..25364		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o6.tm	Method	TBLASTX:Maize
Start	25451	End	27668
GI	none	Score	117
Exons	25451..25534, 25451..25522, 25452..25583, 25586..25864, 25616..25894, 25644..25898, 25725..25898, 25732..25908, 25880..25948, 25887..25940, 25903..25944, 25904..25948, 26405..26440, 26413..26442, 26415..26516, 26432..26521, 26438..26515, 26440..26520, 26626..26811, 26627..26806, 26632..26811, 26634..26816, 27237..27320, 27243..27320, 27244..27324, 27360..27488, 27396..27488, 27397..27549, 27549..27668, 27571..27666, 27576..27668		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o4.ts	Method	TBLASTX:Soybean
Start	26657	End	27467
GI	none	Score	167
Exons	26657..26803, 26662..26811, 27246..27329, 27247..27324, 27396..27467, 27407..27451		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o7.np	Method	AAT/NAP
Start	31027	End	60024
GI	5032119	Score	135
Exons	31027..31282, 34628..34705, 34773..34855, 37889..38075, 53015..53332, 54605..54812, 55100..55362, 59805..60024		
GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047

Name	OJ990430_09.9924.C7.o5.tm	Method	TBLASTX:Maize
Start	36256	End	36688
GI	none	Score	72
Exons	36256..36357, 36256..36357, 36257..36358, 36257..36361, 36258..36374, 36311..36535, 36370..36534, 36376..36546, 36541..36687, 36549..36677, 36551..36688, 36578..36688		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o2.ts	Method	TBLASTX:Soybean
Start	42725	End	43390
GI	none	Score	107
Exons	42725..42820, 42730..42816, 43043..43390, 43101..43370		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o3.tm	Method	TBLASTX:Maize
Start	46667	End	48021
GI	none	Score	94
Exons	46667..46801, 47406..47744, 47417..47473, 47531..47743, 47830..48021, 47892..48014		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	47271	End	47548
GI	none	Score	242
Exons	47271..47480, 47276..47473, 47432..47548		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o11.tm	Method	TBLASTX:Maize
Start	48254	End	48523
GI	none	Score	228
Exons	48254..48523, 48263..48409		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o3.ts	Method	TBLASTX:Soybean
Start	48269	End	48439
GI	none	Score	190
Exons	48269..48409, 48278..48439		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o9.tm	Method	TBLASTX:Maize
Start	49155	End	49453
GI	none	Score	182
Exons	49155..49271, 49157..49270, 49158..49271, 49372..49452, 49373..49453		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o7.gs	Method	GENSCAN
Start	52784	End	55043
GI	none	Score	.88
Exons	52784..53404, 54621..55043		

Seq. No.	10925	Seq. ID	OJ990430_09.9924.C7
Gene No.	23229	Strand	-
Start	31027	End	60047
Name	OJ990430_09.9924.C7.o9.gs	Method	GENSCAN
Start	59508	End	60047
GI	none	Score	.91
Exons	59508..60047		

Seq. No.	10926	Seq. ID	OJ990430_09.9924.C8
Gene No.	23230	Strand	+
Start	3209	End	3375
Name	OJ990430_09.9924.C8.o1.gp	Method	AAT/GAP
Start	3209	End	3375
GI	none	Score	334
Exons	3209..3375		

Seq. No.	10926	Seq. ID	OJ990430_09.9924.C8
Gene No.	23231	Strand	+
Start	4435	End	4664
Name	OJ990430_09.9924.C8.o2.gp	Method	AAT/GAP
Start	4435	End	4664
GI	none	Score	400
Exons	4435..4664		

Seq. No.	10926	Seq. ID	OJ990430_09.9924.C8
Gene No.	23232	Strand	+
Start	4812	End	6717
Name	OJ990430_09.9924.C8.o2.gs	Method	GENSCAN
Start	4812	End	6713
GI	none	Score	.77
Exons	4812..4896, 5142..5244, 5960..6182, 6627..6713		

Seq. No.	10926	Seq. ID	OJ990430_09.9924.C8
Gene No.	23232	Strand	+
Start	4812	End	6717
Name	OJ990430_09.9924.C8.o1.np	Method	AAT/NAP
Start	5168	End	6717
GI	3258378	Score	72
Exons	5168..5240, 6007..6059, 6126..6198, 6643..6717		
GI Descrip.	(AP000007) 206aa long hypothetical protein [Pyrococcus horikoshii]		

Seq. No.	10926	Seq. ID	OJ990430_09.9924.C8
Gene No.	23233	Strand	+
Start	6634	End	7180
Name	OJ990430_09.9924.C8.o3.gp	Method	AAT/GAP
Start	6634	End	7180
GI	700165	Score	675
Exons	6634..6905, 7077..7180		

Seq. No.	10926	Seq. ID	OJ990430_09.9924.C8
Gene No.	23234	Strand	-
Start	2141	End	6747
Name	OJ990430_09.9924.C8.o1.gs	Method	GENSCAN
Start	2141	End	4010
GI	none	Score	.78
Exons	2141..2451, 2465..2743, 3119..3317, 3490..3568, 3823..4010		

Seq. No.	10926	Seq. ID	OJ990430_09.9924.C8
Gene No.	23234	Strand	-
Start	2141	End	6747
Name	OJ990430_09.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	3377	End	6747
GI	none	Score	83
Exons	3377..3424, 4793..4900, 4794..4898, 4798..4902, 5140..5244, 5141..5242, 6005..6187, 6006..6188, 6621..6728, 6625..6747, 6626..6739		

Seq. No.	10926	Seq. ID	OJ990430_09.9924.C8
Gene No.	23234	Strand	-
Start	2141	End	6747
Name	OJ990430_09.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	5144	End	6715
GI	none	Score	81
Exons	5144..5242, 6005..6124, 6006..6125, 6107..6187, 6108..6188, 6624..6698, 6625..6711, 6626..6715, 6627..6704, 6634..6711, 6635..6715		

Seq. No.	10927	Seq. ID	OJ990430_09.9924.C9
Gene No.	23235	Strand	-
Start	1	End	476
Name	OJ990430_09.9924.C9.o1.np	Method	AAT/NAP
Start	1	End	476
GI	6715634	Score	137
Exons	1..45, 126..476		
GI Descrip.	(AC007323) T25K16.4 [Arabidopsis thaliana]		

Seq. No.	10927	Seq. ID	OJ990430_09.9924.C9
Gene No.	23235	Strand	-
Start	1	End	476
Name	OJ990430_09.9924.C9.o1.gs	Method	GENSCAN
Start	126	End	335
GI	none	Score	.62
Exons	126..335		

Seq. No.	10927	Seq. ID	OJ990430_09.9924.C9
Gene No.	23235	Strand	-
Start	1	End	476
Name	OJ990430_09.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	126	End	336
GI	none	Score	158
Exons	126..335, 127..336, 145..336		

Seq. No.	10928	Seq. ID	OJ990430_09.9924.C11
Gene No.	23236	Strand	
Start	106	End	323

Name	OJ990430_09.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	106	End	323
GI	none	Score	181
Exons	106..321, 106..321, 108..323		

Seq. No.	10929	Seq. ID	OJ990430_09.9924.C12
Gene No.	23237	Strand	
Start	78	End	534
Name	OJ990430_09.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	78	End	534
GI	none	Score	155
Exons	78..257, 78..314, 80..301, 238..315, 312..533, 316..534		

Seq. No.	10930	Seq. ID	OJ990430_09.9924.C13
Gene No.	23238	Strand	+
Start	190	End	550
Name	OJ990430_09.9924.C13.o1.gs	Method	GENSCAN
Start	190	End	550
GI	none	Score	.46
Exons	190..550		

Seq. No.	10930	Seq. ID	OJ990430_09.9924.C13
Gene No.	23239	Strand	
Start	503	End	687
Name	OJ990430_09.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	503	End	687
GI	none	Score	218
Exons	503..685, 504..686, 505..687		

Seq. No.	10931	Seq. ID	OJ990430_09.9924.C15
Gene No.	23240	Strand	-
Start	426	End	500
Name	OJ990430_09.9924.C15.o1.gs	Method	GENSCAN
Start	426	End	500
GI	none	Score	.59
Exons	426..500		

Seq. No.	10932	Seq. ID	OJ990430_09.9924.C17
Gene No.	23241	Strand	-
Start	229	End	296
Name	OJ990430_09.9924.C17.o1.gs	Method	GENSCAN
Start	229	End	296
GI	none	Score	.58
Exons	229..296		

Seq. No.	10932	Seq. ID	OJ990430_09.9924.C17
Gene No.	23242	Strand	
Start	225	End	405
Name	OJ990430_09.9924.C17.o1.tm	Method	TBLASTX:Maize
Start	225	End	405
GI	none	Score	201
Exons	225..404, 226..405, 230..403		

Seq. No.	10933	Seq. ID	OJ990430_09.9924.C18
Gene No.	23243	Strand	-
Start	117	End	257
Name	OJ990430_09.9924.C18.o1.gs	Method	GENSCAN

Start	117	End	257
GI	none	Score	.48
Exons	117..257		

Seq. No.	10934	Seq. ID	OJ990430_09.9924.C20
Gene No.	23244	Strand	+
Start	98	End	166
Name	OJ990430_09.9924.C20.o1.gs	Method	GENSCAN
Start	98	End	166
GI	none	Score	.79
Exons	98..107, 126..166		

Seq. No.	10935	Seq. ID	OJ990420_09.9923.C2
Gene No.	23245	Strand	-
Start	147	End	238
Name	OJ990420_09.9923.C2.o1.gs	Method	GENSCAN
Start	147	End	238
GI	none	Score	.96
Exons	147..238		

Seq. No.	10936	Seq. ID	OJ990420_09.9923.C5
Gene No.	23246	Strand	+
Start	113	End	442
Name	OJ990420_09.9923.C5.o1.gs	Method	GENSCAN
Start	113	End	442
GI	none	Score	.43
Exons	113..442		

Seq. No.	10937	Seq. ID	OJ990420_09.9923.C8
Gene No.	23247	Strand	+
Start	323	End	673
Name	OJ990420_09.9923.C8.o1.np	Method	AAT/NAP
Start	323	End	673
GI	3560474	Score	136
Exons	323..474, 608..673		
GI Descrip.	(U81312) S-adenosyl-methionine-sterol-C- methyltransferase [Nicotiana tabacum]		

Seq. No.	10937	Seq. ID	OJ990420_09.9923.C8
Gene No.	23248	Strand	-
Start	300	End	377
Name	OJ990420_09.9923.C8.o1.gs	Method	GENSCAN
Start	300	End	377
GI	none	Score	.64
Exons	300..377		

Seq. No.	10938	Seq. ID	OJ990420_09.9923.C9
Gene No.	23249	Strand	+
Start	1	End	453
Name	OJ990420_09.9923.C9.o1.gp	Method	AAT/GAP
Start	1	End	453
GI	13861_1.R1084	Score	852
Exons	1..453		
GI Descrip.	'1871194 1.0e-42 (U90439) DNA binding protein isolog [Arabidopsis thaliana] >gi_2335092 (AC002339) putative DNA binding protein [Arabidopsis thaliana]'		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23250	Strand	+
Start	19795	End	20872
Name	OJ990420_09.9923.C11.o3.gs	Method	GENSCAN
Start	19795	End	20872
GI	none	Score	.42
Exons	19795..20601, 20693..20872		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23251	Strand	-
Start	235	End	11708
Name	OJ990420_09.9923.C11.o1.gs	Method	GENSCAN
Start	235	End	11469
GI	none	Score	.75
Exons	235..339, 698..787, 4852..4880, 5314..5497, 5522..5631, 5960..6240, 7932..8020, 8505..8735, 8829..8996, 9161..9276, 9634..9786, 9873..10016, 10236..10359, 10939..11469		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23251	Strand	-
Start	235	End	11708
Name	OJ990420_09.9923.C11.o1.np	Method	AAT/NAP
Start	392	End	870
GI	5042454	Score	230
Exons	392..445, 698..870		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23251	Strand	-
Start	235	End	11708
Name	OJ990420_09.9923.C11.o2.gp	Method	AAT/GAP
Start	7578	End	7869
GI	2317604	Score	524
Exons	7578..7869		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23251	Strand	-
Start	235	End	11708
Name	OJ990420_09.9923.C11.o2.np	Method	AAT/NAP
Start	7830	End	11469
GI	6706424	Score	1753
Exons	7830..8020, 8505..8735, 8829..8996, 9161..9276, 9634..9786, 9873..10016, 10236..10359, 10939..11469		
GI Descrip.	(AL133248) calcium-dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23251	Strand	-
Start	235	End	11708
Name	OJ990420_09.9923.C11.o3.gp	Method	AAT/GAP
Start	9210	End	9750
GI	LIB3434-013-P1-K1-D1	Score	284
Exons	9210..9276, 9634..9750		
GI Descrip.	'5162877/dbj|BAA81748.1| 1.0e-29 (AB017515) calcium-dependent protein kinase [Marchantia polymorpha] >gi_5162880_dbj_BAA81750.1_ (AB017516) calcium-dependent protein kinase [Marchantia polymorpha]'		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23251	Strand	-
Start	235	End	11708
Name	OJ990420_09.9923.C11.o4.gp	Method	AAT/GAP
Start	9874	End	10354
GI	LIB3434-013-P1-K1-D1	Score	403
Exons	9874..10016, 10236..10354		
GI Descrip.	'5162877/dbj|BAA81748.1| 1.0e-29 (AB017515) calcium-dependent protein kinase [Marchantia polymorpha] >gi_5162880_dbj_BAA81750.1_ (AB017516) calcium-dependent protein kinase [Marchantia polymorpha]'		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23251	Strand	-
Start	235	End	11708
Name	OJ990420_09.9923.C11.o5.gp	Method	AAT/GAP
Start	11113	End	11708
GI	43488_1.R1084	Score	1156
Exons	11113..11708		
GI Descrip.	'1399277 3.0e-13 (U31836) calmodulin-domain protein kinase CDPK isoform 7 [Arabidopsis thaliana]'		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23252	Strand	-
Start	13636	End	18702
Name	OJ990420_09.9923.C11.o2.gs	Method	GENSCAN
Start	13636	End	18655
GI	none	Score	.41
Exons	13636..13798, 15380..15437, 18153..18198, 18293..18655		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23252	Strand	-
Start	13636	End	18702
Name	OJ990420_09.9923.C11.o3.np	Method	AAT/NAP
Start	18286	End	18637
GI	1519355	Score	135
Exons	18286..18637		
GI Descrip.	(U66465) lipid transfer protein 1 [Lycopersicon pennellii]		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23252	Strand	-
Start	13636	End	18702
Name	OJ990420_09.9923.C11.o6.gp	Method	AAT/GAP
Start	18368	End	18702
GI	none	Score	627
Exons	18368..18702		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23253	Strand	-
Start	23374	End	24096
Name	OJ990420_09.9923.C11.o2.tw	Method	TBLASTX:Wheat
Start	5235	End	11147
GI	none	Score	85
Exons	5235..5348, 10295..10366, 10297..10380, 10945..11127, 11115..11147		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23253	Strand	-
Start	23374	End	24096
Name	OJ990420_09.9923.C11.o1.tc	Method	TBLASTX:Cress
Start	7889	End	11248
GI	none	Score	86
Exons	7889..8023, 7953..8021, 8494..8532, 8559..8735, 8574..8732, 8807..8989, 8829..8990, 8829..9002, 8830..8997, 9159..9278, 9185..9277, 9635..9790, 9639..9791, 9872..10015, 9873..10016, 9873..10016, 9874..10017, 9875..10018, 10214..10360, 10226..10363, 10234..10362, 10234..10377, 10936..11241, 11099..11248		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23253	Strand	-
Start	23374	End	24096
Name	OJ990420_09.9923.C11.o3.tm	Method	TBLASTX:Maize
Start	7889	End	8025
GI	none	Score	103
Exons	7889..8023, 7893..8021, 7894..8025, 7895..8023		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23253	Strand	-
Start	23374	End	24096
Name	OJ990420_09.9923.C11.o1.ts	Method	TBLASTX:Soybean
Start	7889	End	11248
GI	none	Score	93
Exons	7889..8023, 7953..8021, 8505..8732, 8617..8733, 8829..9002, 8830..8997, 9159..9272, 9182..9274, 9185..9277, 9635..9790, 9636..9791, 9872..10003, 9873..9998, 9874..9999, 9874..10017, 9875..10018, 10214..10360, 10234..10377, 10243..10377, 10936..11241, 11095..11172, 11096..11248		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23253	Strand	-
Start	23374	End	24096
Name	OJ990420_09.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	8499	End	9988
GI	none	Score	136
Exons	8499..8732, 8505..8735, 8623..8736, 8807..8989, 8808..8990, 8829..9002, 8830..8997, 9159..9272, 9164..9274, 9185..9274, 9629..9790, 9632..9790, 9633..9839, 9690..9848, 9874..9987, 9875..9988		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23253	Strand	-
Start	23374	End	24096
Name	OJ990420_09.9923.C11.o3.tw	Method	TBLASTX:Wheat
Start	8577	End	8924
GI	none	Score	61
Exons	8577..8735, 8623..8736, 8829..8924		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23253	Strand	-
Start	23374	End	24096
Name	OJ990420_09.9923.C11.o1.tw	Method	TBLASTX:Wheat
Start	9626	End	10294

GI	none	Score	90
Exons	9626..9784, 9626..9790, 9639..9845, 9874..10017, 9875..10018, 10234..10290, 10235..10294		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23253	Strand	-
Start	23374	End	24096
Name	OJ990420_09.9923.C11.o2.tm	Method	TBLASTX:Maize
Start	10198	End	11241
GI	none	Score	74
Exons	10198..10386, 10214..10330, 10222..10329, 10259..10390, 10936..11241		

Seq. No.	10939	Seq. ID	OJ990420_09.9923.C11
Gene No.	23253	Strand	-
Start	23374	End	24096
Name	OJ990420_09.9923.C11.o4.gs	Method	GENSCAN
Start	23374	End	24096
GI	none	Score	.4
Exons	23374..23505, 23982..24096		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23254	Strand	+
Start	614	End	3457
Name	OJ990420_09.9923.C12.o1.gs	Method	GENSCAN
Start	614	End	3457
GI	none	Score	.89
Exons	614..757, 762..1427, 1890..2084, 3431..3457		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23254	Strand	+
Start	614	End	3457
Name	OJ990420_09.9923.C12.o1.gp	Method	AAT/GAP
Start	663	End	2674
GI	13861_1.R1084	Score	2553
Exons	663..1427, 1920..2505, 2652..2674		
GI Descrip.	'1871194 1.0e-42 (U90439) DNA binding protein isolog [Arabidopsis thaliana] >gi_2335092 (AC002339) putative DNA binding protein [Arabidopsis thaliana]'		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23255	Strand	+
Start	7410	End	12598
Name	OJ990420_09.9923.C12.o3.gp	Method	AAT/GAP
Start	7029	End	7328
GI	4879929	Score	574
Exons	7029..7328		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23255	Strand	+
Start	7410	End	12598
Name	OJ990420_09.9923.C12.o1.np	Method	AAT/NAP
Start	7308	End	12595
GI	6446577	Score	4211
Exons	7308..7359, 7574..7741, 8074..8250, 8284..8325, 8425..8534, 8622..8791, 9087..9353, 9447..9792, 9881..10018, 10101..10226, 10312..10524, 10684..10939, 11135..11337, 11581..11931,		

	12014..12595		
GI Descrip.	(AF150630) cellulose synthase catalytic subunit [Gossypium hirsutum]		
Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23255	Strand	+
Start	7410	End	12598
Name	OJ990420_09.9923.C12.o4.gp	Method	AAT/GAP
Start	7338	End	8318
GI	56840_1.R1084	Score	917
Exons	7338..7421, 7555..7741, 8074..8318		
GI Descrip.	'2827143 3.0e-31 (AF027174) cellulose synthase catalytic subunit [Arabidopsis thaliana]'		
Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23255	Strand	+
Start	7410	End	12598
Name	OJ990420_09.9923.C12.o3.gs	Method	GENSCAN
Start	7410	End	12598
GI	none	Score	.82
Exons	7410..7421, 7555..7741, 8074..8324, 8427..8526, 8605..8791, 9087..9353, 9447..9792, 9881..10018, 10101..10226, 10312..10524, 10684..10939, 11135..11337, 11581..11735, 11772..11931, 12179..12598		
Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23255	Strand	+
Start	7410	End	12598
Name	OJ990420_09.9923.C12.o5.gp	Method	AAT/GAP
Start	10842	End	11929
GI	2798220	Score	1149
Exons	10842..10939, 11135..11337, 11581..11929		
GI Descrip.	5081779/gb|AAD39534.1| 6.0e-96 (AF150630) cellulose synthase [Gossypium hirsutum]		
Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23256	Strand	-
Start	3831	End	5488
Name	OJ990420_09.9923.C12.o2.gp	Method	AAT/GAP
Start	3831	End	4159
GI	5004548	Score	627
Exons	3831..4159		
Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23256	Strand	-
Start	3831	End	5488
Name	OJ990420_09.9923.C12.o2.gs	Method	GENSCAN
Start	4007	End	5488
GI	none	Score	1
Exons	4007..5488		
Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23257	Strand	-
Start	12324	End	12848
Name	OJ990420_09.9923.C12.o6.gp	Method	AAT/GAP
Start	12324	End	12848
GI	35110_1.R1084	Score	1027

Exons	12324..12848		
GI Descrip.	'5081779/gb|AAD39534.1| 7.0e-40 (AF150630) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23258	Strand	-
Start	13047	End	15902
Name	OJ990420_09.9923.C12.o2.np	Method	AAT/NAP
Start	12999	End	15902
GI	5902387	Score	791
Exons	12999..13283, 13362..13518, 13637..13827, 14516..14723, 14838..14858, 15171..15341, 15498..15754, 15819..15902		
GI Descrip.	(AC009322) Similar to polygalacturonases [Arabidopsis thaliana]		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23258	Strand	-
Start	13047	End	15902
Name	OJ990420_09.9923.C12.o4.gs	Method	GENSCAN
Start	13047	End	15887
GI	none	Score	.99
Exons	13047..13280, 13399..13518, 13637..13827, 14516..14723, 14838..14858, 15171..15341, 15498..15887		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o3.tm	Method	TBLASTX:Maize
Start	886	End	1367
GI	none	Score	36
Exons	886..912, 888..908, 893..913, 966..1022, 974..1036, 998..1078, 1001..1081, 1014..1079, 1086..1214, 1102..1212, 1145..1240, 1262..1366, 1263..1367		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o4.tc	Method	TBLASTX:Cress
Start	1269	End	1973
GI	none	Score	210
Exons	1269..1427, 1274..1426, 1917..1973		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o7.tm	Method	TBLASTX:Maize
Start	1368	End	2119
GI	none	Score	111
Exons	1368..1430, 1370..1465, 1370..1429, 1913..1960, 1914..1943, 1917..2111, 1937..2119, 2063..2116		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o3.tw	Method	TBLASTX:Wheat
Start	4176	End	4577
GI	none	Score	172
Exons	4176..4433, 4193..4435, 4517..4576, 4530..4577		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o5.tm	Method	TBLASTX:Maize
Start	4206	End	4643
GI	none	Score	112
Exons	4206..4436, 4295..4435, 4508..4642, 4530..4643		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o2.ts	Method	TBLASTX:Soybean
Start	4253	End	4924
GI	none	Score	115
Exons	4253..4435, 4254..4433, 4523..4666, 4530..4664, 4730..4924		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o2.tc	Method	TBLASTX:Cress
Start	4272	End	4666
GI	none	Score	100
Exons	4272..4433, 4277..4435, 4511..4666, 4527..4664		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o4.tm	Method	TBLASTX:Maize
Start	7329	End	7745
GI	none	Score	323
Exons	7329..7394, 7399..7416, 7545..7568, 7575..7745, 7576..7743		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o4.ts	Method	TBLASTX:Soybean
Start	7576	End	9213
GI	none	Score	263
Exons	7576..7743, 7653..7745, 8625..8687, 8633..8746, 9091..9168, 9169..9213		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o1.tc	Method	TBLASTX:Cress
Start	7578	End	12612
GI	none	Score	258
Exons	7578..7745, 7579..7743, 8154..8246, 8634..8687, 8636..8680, 8736..8792, 9086..9352, 9087..9356, 9088..9354, 9432..9791, 9442..9792, 9856..10020, 9875..10021, 10089..10229, 10118..10231, 10148..10225, 10299..10361, 10302..10541, 10312..10533, 10657..10773, 10661..10774, 10683..10790, 10684..10791, 10780..10824, 11127..11297, 11128..11340, 11134..11337, 11575..11937, 11578..11922, 11579..11923, 11580..11927, 11998..12492, 12005..12592, 12011..12601, 12013..12612, 12514..12612		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o2.tm	Method	TBLASTX:Maize
Start	8151	End	8803
GI	none	Score	84
Exons	8151..8222, 8168..8209, 8208..8327, 8221..8328, 8222..8329, 8222..8329, 8423..8524, 8425..8523, 8433..8525, 8603..8791, 8605..8793, 8606..8803, 8607..8792		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o1.tm	Method	TBLASTX:Maize
Start	9091	End	12598
GI	none	Score	373
Exons	9091..9354, 9091..9354, 9159..9356, 9194..9364, 9194..9364, 9432..9791, 9442..9792, 9442..9792, 9856..10020, 9875..10021, 10089..10229, 10148..10225, 10302..10529, 10312..10533, 10657..10770, 10662..10775, 10684..10776, 11140..11340, 11164..11337, 11556..11939, 11578..11937, 12011..12547, 12013..12549, 12270..12554, 12361..12555, 12378..12575, 12578..12598		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	9214	End	12609
GI	none	Score	192
Exons	9214..9354, 9214..9354, 9216..9356, 9435..9791, 9442..9792, 9856..9984, 9874..10020, 9875..10021, 10089..10229, 10148..10222, 10302..10529, 10312..10533, 10660..10770, 10683..10775, 10684..10791, 11140..11340, 11161..11247, 11196..11297, 11290..11337, 11556..11939, 11562..11927, 11578..11937, 11998..12237, 12005..12550, 12011..12598, 12013..12609		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o1.tw	Method	TBLASTX:Wheat
Start	9643	End	10223
GI	none	Score	235
Exons	9643..9792, 9647..9769, 9660..9791, 9856..9984, 9856..10020, 9875..10021, 10089..10223, 10148..10222		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o5.tw	Method	TBLASTX:Wheat
Start	10312	End	10737
GI	none	Score	147
Exons	10312..10422, 10324..10422, 10431..10529, 10432..10533, 10674..10736, 10684..10737		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o4.tw	Method	TBLASTX:Wheat
Start	11767	End	12070
GI	none	Score	100
Exons	11767..11931, 11768..11854, 11773..11937, 11775..11939, 12011..12070, 12011..12064, 12013..12069		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o2.tw	Method	TBLASTX:Wheat
Start	12070	End	12478
GI	none	Score	584
Exons	12070..12477, 12071..12478		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o3.tc	Method	TBLASTX:Cress
Start	13149	End	14723
GI	none	Score	78
Exons	13149..13211, 13360..13521, 13427..13522, 13637..13837, 13689..13829, 14511..14723, 14515..14643		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o8.tm	Method	TBLASTX:Maize
Start	13418	End	13837
GI	none	Score	90
Exons	13418..13522, 13429..13521, 13637..13759, 13638..13667, 13731..13760, 13757..13837		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o3.ts	Method	TBLASTX:Soybean
Start	13426	End	14723
GI	none	Score	47
Exons	13426..13521, 13427..13522, 13637..13879, 13638..13877, 14511..14723, 14569..14700		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o6.tm	Method	TBLASTX:Maize
Start	14531	End	14725
GI	none	Score	186
Exons	14531..14683, 14532..14723, 14533..14712, 14636..14725		

Seq. No.	10940	Seq. ID	OJ990420_09.9923.C12
Gene No.	23259	Strand	-
Start	17448	End	18484
Name	OJ990420_09.9923.C12.o5.gs	Method	GENSCAN
Start	17448	End	18484

GI	none	Score	.95
Exons	17448..17520, 18465..18484		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o1.gp	Method	AAT/GAP
Start	1192	End	2702
GI	none	Score	1619
Exons	1192..1493, 1579..1644, 1753..1810, 1897..1988, 2319..2702		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o2.tm	Method	TBLASTX:Maize
Start	1357	End	2475
GI	none	Score	185
Exons	1357..1494, 1358..1495, 1359..1496, 1359..1496, 1579..1632, 1579..1644, 1580..1645, 1583..1645, 1748..1813, 1751..1813, 1753..1815, 1895..1987, 1896..1988, 1899..1991, 1903..1989, 2323..2379, 2325..2378, 2419..2475, 2434..2472		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o2.ts	Method	TBLASTX:Soybean
Start	1369	End	2007
GI	none	Score	148
Exons	1369..1494, 1370..1495, 1371..1496, 1371..1496, 1579..1632, 1579..1644, 1751..1813, 1753..1815, 1899..1988, 1903..2007		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o1.gs	Method	GENSCAN
Start	1371	End	6160
GI	none	Score	.4
Exons	1371..1493, 1579..1644, 1753..1810, 1897..1988, 2319..2415, 2933..3108, 3872..4021, 4815..5536, 6111..6160		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o2.tc	Method	TBLASTX:Cress
Start	1567	End	1991
GI	none	Score	43
Exons	1567..1644, 1597..1632, 1751..1798, 1753..1815, 1893..1991, 1899..1991		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o2.tw	Method	TBLASTX:Wheat
Start	2725	End	5352
GI	none	Score	220
Exons	2725..2769, 2870..2926, 5157..5345, 5157..5351, 5161..5352		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	3672	End	5352
GI	none	Score	41
Exons	3672..3707, 3720..3809, 3723..3758, 3809..4030, 3855..4031, 4811..4969, 4813..5049, 4815..5351, 4816..5001, 5035..5352		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o2.gp	Method	AAT/GAP
Start	3674	End	5521
GI	16934_2.R1084	Score	1809
Exons	3674..4021, 4815..5521		
GI Descrip.	'3915847/sp|P49688|RS2_ARATH 1.0e-108 40S RIBOSOMAL PROTEIN S2 >gi_2335095 (AC002339) putative 40S ribosomal protein S2 [Arabidopsis thaliana]'		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o3.tw	Method	TBLASTX:Wheat
Start	3711	End	4031
GI	none	Score	41
Exons	3711..3737, 3731..3775, 3736..3771, 3779..3844, 3780..3845, 3851..4030, 3852..4031		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o1.tc	Method	TBLASTX:Cress
Start	3804	End	5352
GI	none	Score	129
Exons	3804..4031, 3914..4030, 4813..5049, 4814..4972, 4815..5231, 4816..5001, 5035..5103, 5152..5232, 5232..5351, 5233..5352		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o1.np	Method	AAT/NAP
Start	3863	End	5477
GI	6706420	Score	1079
Exons	3863..4021, 4815..5477		
GI Descrip.	(AL133248) 40S ribosomal protein S2 homolog [Arabidopsis thaliana]		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	3890	End	5352
GI	none	Score	155
Exons	3890..4030, 3906..4031, 4813..5037, 4815..5033, 4815..5231, 4816..5232, 5232..5336, 5232..5351, 5233..5352		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o1.tw	Method	TBLASTX:Wheat
Start	4832	End	5141
GI	none	Score	186
Exons	4832..4969, 4833..5141, 4834..5001, 5035..5103		

Seq. No.	10941	Seq. ID	OJ990420_09.9923.C13
Gene No.	23260	Strand	-
Start	1371	End	6160
Name	OJ990420_09.9923.C13.o3.gp	Method	AAT/GAP
Start	5411	End	5581
GI	LIB3434-047-P1-K1-B11	Score	184
Exons	5411..5581		
GI Descrip.	'4049348/emb|CAA22573.1| 5.0e-30 (AL034567) putative protein [Arabidopsis thaliana]'		

Seq. No.	10942	Seq. ID	OJ990420_09.9923.C14
Gene No.	23261	Strand	-
Start	431	End	2762
Name	OJ990420_09.9923.C14.o1.gs	Method	GENSCAN
Start	431	End	2688
GI	none	Score	.53
Exons	431..580, 941..1437, 1511..2011, 2532..2688		

Seq. No.	10942	Seq. ID	OJ990420_09.9923.C14
Gene No.	23261	Strand	-
Start	431	End	2762
Name	OJ990420_09.9923.C14.o1.ts	Method	TBLASTX:Soybean
Start	906	End	1980
GI	none	Score	427
Exons	906..1439, 923..1435, 1507..1647, 1512..1655, 1713..1979, 1789..1980		

Seq. No.	10942	Seq. ID	OJ990420_09.9923.C14
Gene No.	23261	Strand	-
Start	431	End	2762
Name	OJ990420_09.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	908	End	2019
GI	none	Score	704
Exons	908..1438, 912..1439, 1506..1586, 1507..2019, 1512..2012		

Seq. No.	10942	Seq. ID	OJ990420_09.9923.C14
Gene No.	23261	Strand	-
Start	431	End	2762
Name	OJ990420_09.9923.C14.o1.tw	Method	TBLASTX:Wheat
Start	908	End	1076
GI	none	Score	189
Exons	908..1075, 909..1076, 909..1061, 920..1075		

Seq. No.	10942	Seq. ID	OJ990420_09.9923.C14
Gene No.	23261	Strand	-
Start	431	End	2762
Name	OJ990420_09.9923.C14.o1.np	Method	AAT/NAP
Start	920	End	2688
GI	6648215	Score	1032

Exons	920..1437, 1511..2011, 2610..2688		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		
Seq. No.	10942	Seq. ID	OJ990420_09.9923.C14
Gene No.	23261	Strand	-
Start	431	End	2762
Name	OJ990420_09.9923.C14.o1.tc	Method	TBLASTX:Cress
Start	944	End	1697
GI	none	Score	376
Exons	944..1435, 945..1424, 1513..1599, 1515..1697		
Seq. No.	10942	Seq. ID	OJ990420_09.9923.C14
Gene No.	23261	Strand	-
Start	431	End	2762
Name	OJ990420_09.9923.C14.o1.gp	Method	AAT/GAP
Start	1034	End	1379
GI	3061123	Score	662
Exons	1034..1379		
GI Descrip.	4049348/emb|CAA22573.1| 5.0e-30 (AL034567) putative protein [Arabidopsis thaliana]		
Seq. No.	10942	Seq. ID	OJ990420_09.9923.C14
Gene No.	23261	Strand	-
Start	431	End	2762
Name	OJ990420_09.9923.C14.o2.tc	Method	TBLASTX:Cress
Start	1719	End	2012
GI	none	Score	105
Exons	1719..1970, 1789..1968, 1830..1973, 1965..2012		
Seq. No.	10942	Seq. ID	OJ990420_09.9923.C14
Gene No.	23261	Strand	-
Start	431	End	2762
Name	OJ990420_09.9923.C14.o2.gp	Method	AAT/GAP
Start	1826	End	2762
GI	84207_1.R1084	Score	759
Exons	1826..2011, 2532..2762		
GI Descrip.	'3402817/emb|CAA07704| 9.0e-17 (AJ007829) lacZ'' [Cloning vector pGreen]'		
Seq. No.	10943	Seq. ID	OJ990420_09.9923.C15
Gene No.	23262	Strand	+
Start	1542	End	1733
Name	OJ990420_09.9923.C15.o1.gs	Method	GENSCAN
Start	1542	End	1733
GI	none	Score	.55
Exons	1542..1733		
Seq. No.	10943	Seq. ID	OJ990420_09.9923.C15
Gene No.	23263	Strand	-
Start	2176	End	2598
Name	OJ990420_09.9923.C15.o2.gs	Method	GENSCAN
Start	2176	End	2598
GI	none	Score	.51
Exons	2176..2289, 2524..2598		
Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23264	Strand	+

Start	636	End	812
Name	OJ990420_09.9923.C16.o1.gs	Method	GENSCAN
Start	636	End	812
GI	none	Score	.53
Exons	636..812		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23265	Strand	+
Start	1914	End	7224
Name	OJ990420_09.9923.C16.o2.gs	Method	GENSCAN
Start	1914	End	7224
GI	none	Score	.72
Exons	1914..2031, 3371..3466, 4048..4241, 4403..4450, 4496..4606, 4938..5138, 5494..5667, 6763..7224		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23265	Strand	+
Start	1914	End	7224
Name	OJ990420_09.9923.C16.o1.np	Method	AAT/NAP
Start	2937	End	6148
GI	3560474	Score	993
Exons	2937..3019, 3467..3533, 3667..3740, 3846..3930, 4048..4103, 4187..4241, 4403..4450, 4523..4606, 4938..5138, 5542..5667, 5839..5936, 6088..6148		
GI Descrip.	(U81312) S-adenosyl-methionine-sterol-C- methyltransferase [Nicotiana tabacum]		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23265	Strand	+
Start	1914	End	7224
Name	OJ990420_09.9923.C16.o1.gp	Method	AAT/GAP
Start	6946	End	7185
GI	LIB3475-007-P1-K1-G6	Score	460
Exons	6946..7185		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23266	Strand	+
Start	11961	End	14666
Name	OJ990420_09.9923.C16.o4.gs	Method	GENSCAN
Start	11961	End	14666
GI	none	Score	.62
Exons	11961..14666		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23266	Strand	+
Start	11961	End	14666
Name	OJ990420_09.9923.C16.o2.np	Method	AAT/NAP
Start	12342	End	14663
GI	4539394	Score	833
Exons	12342..12847, 13058..13328, 13536..14663		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23267	Strand	+
Start	16526	End	18552

Name	OJ990420_09.9923.C16.o5.gs	Method	GENSCAN
Start	16526	End	18552
GI	none	Score	.98
Exons	16526..16721, 16974..17081, 17170..17362, 17451..17553, 17761..17961, 18403..18552		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23267	Strand	+
Start	16526	End	18552
Name	OJ990420_09.9923.C16.o3.np	Method	AAT/NAP
Start	16664	End	18259
GI	1076791	Score	782
Exons	16664..16763, 16971..17081, 17170..17362, 17451..17515, 17768..17968, 18211..18259		
GI Descrip.	calcium-binding protein - maize gi|2119370|pir||S58170 Calreticulin precursor - maize gi|577612|emb|CAA86728| (Z46772) calcium-binding protein [Zea mays] gi|927572|emb|CAA61939| (X89813) Calreticulin precursor [Zea mays] gi|1587033|prf||2205314A calreticulin [Zea mays]		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23268	Strand	+
Start	22909	End	24422
Name	OJ990420_09.9923.C16.o4.np	Method	AAT/NAP
Start	22092	End	24422
GI	3046695	Score	173
Exons	22092..22197, 23886..24101, 24211..24288, 24372..24422		
GI Descrip.	(AL022224) putative protein [Arabidopsis thaliana]		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23268	Strand	+
Start	22909	End	24422
Name	OJ990420_09.9923.C16.o7.gs	Method	GENSCAN
Start	22909	End	23649
GI	none	Score	.65
Exons	22909..22980, 23040..23185, 23490..23649		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23268	Strand	+
Start	22909	End	24422
Name	OJ990420_09.9923.C16.o4.gp	Method	AAT/GAP
Start	23042	End	23187
GI	27256_1.R1084	Score	171
Exons	23042..23187		
GI Descrip.	'2058456/gb|AAB53256.1| 2.0e-18 (U66408) GTP-binding protein [Arabidopsis thaliana] >gi_2345150_gb_AAB67830_ (AF014822) developmentally regulated GTP binding protein [Arabidopsis thaliana]'		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23269	Strand	-
Start	18832	End	19416
Name	OJ990420_09.9923.C16.o6.gs	Method	GENSCAN
Start	18832	End	19416
GI	none	Score	.55
Exons	18832..18950, 19371..19416		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23270	Strand	-
Start	27512	End	35346
Name	OJ990420_09.9923.C16.o5.gp	Method	AAT/GAP
Start	27512	End	29196
GI	4794_1.R1084	Score	1699
Exons	27512..28205, 28896..29042, 29148..29196		
GI Descrip.	'3128168 2.0e-78 (AC004521) putative carboxyl-terminal peptidase [Arabidopsis thaliana]'		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23270	Strand	-
Start	27512	End	35346
Name	OJ990420_09.9923.C16.o9.gs	Method	GENSCAN
Start	27828	End	35346
GI	none	Score	.53
Exons	27828..28205, 28896..29042, 29148..29201, 29398..29562, 29721..29966, 30057..30143, 30657..30723, 30911..31316, 31433..31568, 33630..33713, 33891..34114, 35310..35346		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23270	Strand	-
Start	27512	End	35346
Name	OJ990420_09.9923.C16.o5.np	Method	AAT/NAP
Start	27831	End	30806
GI	3128168	Score	1178
Exons	27831..28205, 28896..29042, 29148..29201, 29398..29562, 29721..29966, 30057..30143, 30657..30806		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23271	Strand	-
Start	39955	End	40326
Name	OJ990420_09.9923.C16.o10.gs	Method	GENSCAN
Start	39955	End	40326
GI	none	Score	.71
Exons	39955..40074, 40228..40326		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23272	Strand	-
Start	41941	End	42270
Name	OJ990420_09.9923.C16.o7.gp	Method	AAT/GAP
Start	41941	End	42270
GI	6756_2.R1084	Score	609
Exons	41941..42270		
GI Descrip.	'1351357/sp|P48502|UCR6_SOLTU 5.0e-43 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) >gi_633681_emb_CAA55863_ (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]'		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o5.tm	Method	TBLASTX:Maize
Start	2933	End	5942
GI	none	Score	77
Exons	2933..3013, 2933..3031, 2937..3041, 2938..3045, 3466..3534, 3468..3536, 3652..3741, 3672..3731, 3839..3907, 3844..3933,		

3844..3933, 4042..4101, 4047..4103, 4193..4249, 4197..4295, 4387..4455, 4400..4456, 4505..4603, 4517..4609, 4937..5146, 4938..5141, 5536..5655, 5539..5673, 5541..5657, 5838..5942, 5839..5937

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o2.tw	Method	TBLASTX:Wheat
Start	2937	End	4283
GI	none	Score	120
Exons	2937..3041, 2951..3031, 3466..3534, 3467..3535, 3468..3536, 3652..3741, 3672..3731, 3844..3933, 4042..4101, 4047..4103, 4193..4249, 4197..4283		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o3.ts	Method	TBLASTX:Soybean
Start	2940	End	5937
GI	none	Score	85
Exons	2940..3038, 3465..3536, 3652..3741, 3672..3731, 3844..3933, 4045..4101, 4047..4103, 4193..4249, 4197..4295, 4387..4455, 4496..4606, 4522..4605, 4940..5143, 4941..5141, 5533..5655, 5535..5669, 5535..5657, 5539..5673, 5824..5937, 5838..5930		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o4.tc	Method	TBLASTX:Cress
Start	2949	End	4243
GI	none	Score	84
Exons	2949..3041, 3465..3536, 3466..3534, 3652..3741, 3653..3733, 3672..3740, 3844..3933, 4045..4101, 4047..4103, 4196..4243, 4197..4241		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o7.tw	Method	TBLASTX:Wheat
Start	7012	End	7209
GI	none	Score	102
Exons	7012..7209, 7016..7150		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o8.tm	Method	TBLASTX:Maize
Start	7012	End	7209
GI	none	Score	103
Exons	7012..7209, 7016..7135		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o6.ts	Method	TBLASTX:Soybean
Start	7015	End	9557

GI	none	Score	62
Exons	7015..7209, 9444..9491, 9489..9557		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	12348	End	14012
GI	none	Score	120
Exons	12348..12557, 12414..12602, 12639..12920, 12897..13124, 13167..13433, 13302..13466, 13400..14011, 13401..14012		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o2.tc	Method	TBLASTX:Cress
Start	12348	End	14150
GI	none	Score	118
Exons	12348..12590, 12648..12893, 12852..12935, 12942..13049, 12951..13136, 13166..13405, 13167..13424, 13347..13529, 13359..13436, 13452..14042, 13460..13711, 13749..13895, 13758..14003, 13760..14011, 14028..14150		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o6.tw	Method	TBLASTX:Wheat
Start	12371	End	13985
GI	none	Score	54
Exons	12371..12586, 12516..12617, 12642..12851, 12951..13046, 13002..13364, 13073..13321, 13347..13538, 13512..13985		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o5.ts	Method	TBLASTX:Soybean
Start	12720	End	14078
GI	none	Score	81
Exons	12720..12926, 12840..13025, 12942..13049, 13166..13234, 13179..13244, 13232..13330, 13242..13436, 13296..13541, 13422..13601, 13743..14078, 13758..14069		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o6.tm	Method	TBLASTX:Maize
Start	14271	End	14634
GI	none	Score	139
Exons	14271..14405, 14273..14416, 14452..14607, 14458..14634, 14466..14609		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o7.ts	Method	TBLASTX:Soybean
Start	14466	End	14666
GI	none	Score	188

Exons	14466..14666		
Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o3.tm	Method	TBLASTX:Maize
Start	16971	End	17960
GI	none	Score	84
Exons	16971..17045, 16972..17079, 16972..17082, 16973..17083, 16973..17119, 17167..17238, 17168..17248, 17168..17278, 17169..17360, 17322..17372, 17324..17362, 17432..17500, 17445..17507, 17448..17513, 17449..17514, 17763..17960, 17764..17925		
Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o3.tw	Method	TBLASTX:Wheat
Start	16971	End	17261
GI	none	Score	80
Exons	16971..17045, 16972..17046, 16972..17082, 16973..17083, 16973..17125, 17167..17241, 17168..17245, 17168..17260, 17169..17261		
Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o1.tc	Method	TBLASTX:Cress
Start	16972	End	17960
GI	none	Score	190
Exons	16972..17082, 16973..17083, 16973..17119, 16974..17105, 17149..17223, 17161..17241, 17168..17278, 17169..17360, 17323..17376, 17324..17371, 17445..17510, 17448..17510, 17449..17511, 17767..17925, 17775..17960		
Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o2.ts	Method	TBLASTX:Soybean
Start	16972	End	17960
GI	none	Score	187
Exons	16972..17082, 16973..17083, 16973..17119, 17167..17238, 17168..17278, 17169..17360, 17440..17508, 17445..17510, 17448..17510, 17449..17511, 17764..17931, 17767..17925, 17772..17960		
Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o7.tm	Method	TBLASTX:Maize
Start	23502	End	23737
GI	none	Score	131
Exons	23502..23660, 23504..23686, 23504..23659, 23512..23691, 23711..23737		
Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-

Start	42202	End	42270
Name	OJ990420_09.9923.C16.o4.tm	Method	TBLASTX:Maize
Start	23833	End	24434
GI	none	Score	294
Exons	23833..24009, 23840..24100, 23844..24044, 23855..24058, 24205..24264, 24210..24287, 24211..24288, 24347..24433, 24360..24434		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o1.tw	Method	TBLASTX:Wheat
Start	27608	End	28092
GI	none	Score	47
Exons	27608..27688, 27719..27742, 27737..27787, 27807..28091, 27823..28080, 27824..28090, 27829..28092, 27837..28091		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	27649	End	29566
GI	none	Score	36
Exons	27649..27714, 27821..27949, 27829..28206, 27834..28208, 27855..28208, 28896..29042, 28942..29043, 29148..29204, 29149..29202, 29392..29565, 29396..29563, 29396..29566		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o2.tm	Method	TBLASTX:Maize
Start	27752	End	30974
GI	none	Score	142
Exons	27752..27784, 27826..28080, 27827..27952, 27829..28206, 27831..28208, 28121..28210, 28894..29037, 28896..29039, 28896..29042, 28921..29043, 29147..29203, 29148..29204, 29149..29202, 29392..29565, 29396..29563, 29398..29565, 29721..29897, 29721..29972, 29722..29910, 29878..29970, 29910..29969, 30057..30143, 30061..30153, 30657..30704, 30658..30705, 30822..30974		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o3.tc	Method	TBLASTX:Cress
Start	27877	End	28188
GI	none	Score	347
Exons	27877..28188, 27894..28187, 27899..28186		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o5.tw	Method	TBLASTX:Wheat
Start	28896	End	29502
GI	none	Score	86
Exons	28896..29039, 28921..29040, 29148..29204, 29149..29202, 29434..29502, 29438..29497		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o6.tc	Method	TBLASTX:Cress
Start	28896	End	29472
GI	none	Score	76
Exons	28896..29039, 28899..29042, 28921..29043, 29148..29204, 29149..29202, 29392..29472, 29396..29470		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o5.tc	Method	TBLASTX:Cress
Start	29485	End	30704
GI	none	Score	80
Exons	29485..29565, 29721..29843, 29778..29900, 29779..29907, 29922..29969, 30054..30143, 30073..30144, 30657..30704		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o4.ts	Method	TBLASTX:Soybean
Start	29721	End	30150
GI	none	Score	118
Exons	29721..29777, 29781..29969, 29785..29967, 30054..30143, 30070..30150		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o4.tw	Method	TBLASTX:Wheat
Start	29784	End	30144
GI	none	Score	66
Exons	29784..29891, 29784..29897, 29925..29969, 30054..30143, 30061..30144		

Seq. No.	10944	Seq. ID	OJ990420_09.9923.C16
Gene No.	23273	Strand	-
Start	42202	End	42270
Name	OJ990420_09.9923.C16.o11.gs	Method	GENSCAN
Start	42202	End	42270
GI	none	Score	.81
Exons	42202..42270		

Seq. No.	10945	Seq. ID	OJ990420_09.9923.C17
Gene No.	23274	Strand	-
Start	1055	End	1128
Name	OJ990420_09.9923.C17.o1.gp	Method	AAT/GAP
Start	1055	End	1128
GI	6756_2.R1084	Score	94
Exons	1055..1128		
GI Descrip.	'1351357/sp|P48502|UCR6_SOLTU 5.0e-43 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) >gi_633681_emb_CAA55863_ (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]'		

Seq. No.	10946	Seq. ID	OJ990420_09.9923.C18

Gene No.	23275	Strand	-
Start	1	End	720
Name	OJ990420_09.9923.C18.o1.np	Method	AAT/NAP
Start	1	End	720
GI	1871194	Score	224
Exons	1..59, 307..720		
GI Descrip.	(U90439) unknown protein [Arabidopsis thaliana]		

Seq. No.	10946	Seq. ID	OJ990420_09.9923.C18
Gene No.	23275	Strand	-
Start	1	End	720
Name	OJ990420_09.9923.C18.o1.gp	Method	AAT/GAP
Start	307	End	720
GI	13861_1.R1084	Score	793
Exons	307..720		
GI Descrip.	'1871194 1.0e-42 (U90439) DNA binding protein isolog [Arabidopsis thaliana] >gi_2335092 (AC002339) putative DNA binding protein [Arabidopsis thaliana]'		

Seq. No.	10946	Seq. ID	OJ990420_09.9923.C18
Gene No.	23275	Strand	-
Start	1	End	720
Name	OJ990420_09.9923.C18.o1.gs	Method	GENSCAN
Start	307	End	702
GI	none	Score	.43
Exons	307..702		

Seq. No.	10946	Seq. ID	OJ990420_09.9923.C18
Gene No.	23275	Strand	-
Start	1	End	720
Name	OJ990420_09.9923.C18.o1.tc	Method	TBLASTX:Cress
Start	307	End	465
GI	none	Score	138
Exons	307..465, 308..460		

Seq. No.	10946	Seq. ID	OJ990420_09.9923.C18
Gene No.	23275	Strand	-
Start	1	End	720
Name	OJ990420_09.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	367	End	720
GI	none	Score	120
Exons	367..471, 368..466, 520..648, 522..632, 653..715, 654..716, 655..720		

Seq. No.	10947	Seq. ID	OJ990420_09.9923.C20
Gene No.	23276	Strand	-
Start	166	End	655
Name	OJ990420_09.9923.C20.o1.np	Method	AAT/NAP
Start	166	End	655
GI	5103193	Score	833
Exons	166..655		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	10948	Seq. ID	OJ990420_09.9923.C21
Gene No.	23277	Strand	-

Start	26	End	117
Name	OJ990420_09.9923.C21.o1.gs	Method	GENSCAN
Start	26	End	117
GI	none	Score	.89
Exons	26..117		

Seq. No.	10949	Seq. ID	OJ990420_09.9923.C23
Gene No.	23278	Strand	+
Start	322	End	484
Name	OJ990420_09.9923.C23.o1.gs	Method	GENSCAN
Start	322	End	484
GI	none	Score	.87
Exons	322..484		

Seq. No.	10950	Seq. ID	OJ990420_09.9923.C24
Gene No.	23279	Strand	-
Start	295	End	391
Name	OJ990420_09.9923.C24.o1.gs	Method	GENSCAN
Start	295	End	391
GI	none	Score	.47
Exons	295..391		

Seq. No.	10951	Seq. ID	OJ990420_09.9923.C26
Gene No.	23280	Strand	-
Start	58	End	127
Name	OJ990420_09.9923.C26.o1.gs	Method	GENSCAN
Start	58	End	127
GI	none	Score	.76
Exons	58..127		

Seq. No.	10952	Seq. ID	OJ990420_09.9923.C28
Gene No.	23281	Strand	+
Start	64	End	136
Name	OJ990420_09.9923.C28.o1.gs	Method	GENSCAN
Start	64	End	136
GI	none	Score	.58
Exons	64..136		

Seq. No.	10953	Seq. ID	OJ990420_09.9923.C30
Gene No.	23282	Strand	-
Start	1	End	709
Name	OJ990420_09.9923.C30.o1.np	Method	AAT/NAP
Start	1	End	709
GI	4454015	Score	126
Exons	1..274, 687..709		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	10953	Seq. ID	OJ990420_09.9923.C30
Gene No.	23282	Strand	-
Start	1	End	709
Name	OJ990420_09.9923.C30.o1.gs	Method	GENSCAN
Start	29	End	418
GI	none	Score	.78
Exons	29..197, 221..418		

Seq. No.	10953	Seq. ID	OJ990420_09.9923.C30
Gene No.	23282	Strand	-

Start	1	End	709
Name	OJ990420_09.9923.C30.o1.tm	Method	TBLASTX:Maize
Start	36	End	284
GI	none	Score	188
Exons	36..203, 36..191, 195..284, 197..244, 242..283		

Seq. No.	10954	Seq. ID	OJ990420_09.9923.C31
Gene No.	23283	Strand	-
Start	1	End	474
Name	OJ990420_09.9923.C31.o1.np	Method	AAT/NAP
Start	1	End	474
GI	1419088	Score	137
Exons	1..246, 365..474		
GI Descrip.	(Z71395) calreticulin [Nicotiana plumbaginifolia]		

Seq. No.	10954	Seq. ID	OJ990420_09.9923.C31
Gene No.	23283	Strand	-
Start	1	End	474
Name	OJ990420_09.9923.C31.o1.tc	Method	TBLASTX:Cress
Start	100	End	247
GI	none	Score	114
Exons	100..246, 114..245, 136..246, 137..247		

Seq. No.	10954	Seq. ID	OJ990420_09.9923.C31
Gene No.	23283	Strand	-
Start	1	End	474
Name	OJ990420_09.9923.C31.o1.ts	Method	TBLASTX:Soybean
Start	100	End	247
GI	none	Score	99
Exons	100..246, 136..246, 137..247		

Seq. No.	10954	Seq. ID	OJ990420_09.9923.C31
Gene No.	23283	Strand	-
Start	1	End	474
Name	OJ990420_09.9923.C31.o1.tm	Method	TBLASTX:Maize
Start	136	End	248
GI	none	Score	152
Exons	136..246, 137..247, 140..247, 174..248		

Seq. No.	10954	Seq. ID	OJ990420_09.9923.C31
Gene No.	23283	Strand	-
Start	1	End	474
Name	OJ990420_09.9923.C31.o1.tw	Method	TBLASTX:Wheat
Start	136	End	248
GI	none	Score	143
Exons	136..246, 137..247, 173..247, 174..248		

Seq. No.	10954	Seq. ID	OJ990420_09.9923.C31
Gene No.	23283	Strand	-
Start	1	End	474
Name	OJ990420_09.9923.C31.o1.gs	Method	GENSCAN
Start	138	End	245
GI	none	Score	.72
Exons	138..245		

Seq. No.	10955	Seq. ID	OJ990420_09.9923.C32
Gene No.	23284	Strand	+

Start	569	End	721
Name	OJ990420_09.9923.C32.o1.gs	Method	GENSCAN
Start	569	End	721
GI	none	Score	.62
Exons	569..647, 652..721		

Seq. No.	10956	Seq. ID	OJ990420_09.9923.C33
Gene No.	23285	Strand	-
Start	157	End	516
Name	OJ990420_09.9923.C33.o1.gs	Method	GENSCAN
Start	157	End	516
GI	none	Score	.75
Exons	157..217, 475..516		

Seq. No.	10957	Seq. ID	OJ990420_09.9923.C34
Gene No.	23286	Strand	-
Start	1	End	641
Name	OJ990420_09.9923.C34.o1.np	Method	AAT/NAP
Start	1	End	641
GI	2827139	Score	462
Exons	1..91, 177..302, 385..522, 611..641		
GI Descrip.	(AF027172) cellulose synthase catalytic subunit [Arabidopsis thaliana] gi|4049343|emb|CAA22568.1| (AL034567) cellulose synthase catalytic subunit (RSW1) [Arabidopsis thaliana]		

Seq. No.	10957	Seq. ID	OJ990420_09.9923.C34
Gene No.	23286	Strand	-
Start	1	End	641
Name	OJ990420_09.9923.C34.o1.tc	Method	TBLASTX:Cress
Start	62	End	640
GI	none	Score	45
Exons	62..91, 63..101, 174..314, 178..255, 382..528, 383..547, 611..640		

Seq. No.	10957	Seq. ID	OJ990420_09.9923.C34
Gene No.	23286	Strand	-
Start	1	End	641
Name	OJ990420_09.9923.C34.o1.tm	Method	TBLASTX:Maize
Start	62	End	641
GI	none	Score	44
Exons	62..91, 63..101, 174..314, 175..315, 177..317, 382..528, 383..529, 611..640, 612..641		

Seq. No.	10957	Seq. ID	OJ990420_09.9923.C34
Gene No.	23286	Strand	-
Start	1	End	641
Name	OJ990420_09.9923.C34.o1.ts	Method	TBLASTX:Soybean
Start	62	End	640
GI	none	Score	105
Exons	62..91, 174..314, 181..255, 382..528, 383..529, 419..547, 611..640		

Seq. No.	10957	Seq. ID	OJ990420_09.9923.C34
Gene No.	23286	Strand	-
Start	1	End	641
Name	OJ990420_09.9923.C34.o1.gs	Method	GENSCAN
Start	177	End	616

GI	none	Score	.98
Exons	177..302, 385..522, 611..616		

Seq. No.	10957	Seq. ID	OJ990420_09.9923.C34
Gene No.	23286	Strand	-
Start	1	End	641
Name	OJ990420_09.9923.C34.o1.tw	Method	TBLASTX:Wheat
Start	180	End	640
GI	none	Score	100
Exons	180..314, 181..255, 181..315, 611..640	382..528, 383..547, 419..547,	

Seq. No.	10958	Seq. ID	OJ990420_09.9923.C35
Gene No.	23287	Strand	-
Start	179	End	633
Name	OJ990420_09.9923.C35.o1.gp	Method	AAT/GAP
Start	179	End	633
GI	none	Score	614
Exons	179..480, 566..633		

Seq. No.	10958	Seq. ID	OJ990420_09.9923.C35
Gene No.	23287	Strand	-
Start	179	End	633
Name	OJ990420_09.9923.C35.o1.tm	Method	TBLASTX:Maize
Start	344	End	631
GI	none	Score	185
Exons	344..481, 345..482, 346..483, 570..626	346..483, 566..619, 566..631,	

Seq. No.	10958	Seq. ID	OJ990420_09.9923.C35
Gene No.	23287	Strand	-
Start	179	End	633
Name	OJ990420_09.9923.C35.o1.ts	Method	TBLASTX:Soybean
Start	356	End	631
GI	none	Score	148
Exons	356..481, 358..483, 358..483,	566..619, 566..631	

Seq. No.	10958	Seq. ID	OJ990420_09.9923.C35
Gene No.	23287	Strand	-
Start	179	End	633
Name	OJ990420_09.9923.C35.o1.gs	Method	GENSCAN
Start	358	End	631
GI	none	Score	.83
Exons	358..480, 566..631		

Seq. No.	10959	Seq. ID	OJ990420_09.9923.C36
Gene No.	23288	Strand	-
Start	633	End	804
Name	OJ990420_09.9923.C36.o1.gs	Method	GENSCAN
Start	633	End	804
GI	none	Score	.59
Exons	633..804		

Seq. No.	10960	Seq. ID	OJ990420_09.9923.C37
Gene No.	23289	Strand	+
Start	371	End	615
Name	OJ990420_09.9923.C37.o1.gp	Method	AAT/GAP

Start	371	End	615
GI	4879929	Score	393
Exons	371..615		

Seq. No.	10961	Seq. ID	OJ990420_09.9923.C38
Gene No.	23290	Strand	+
Start	1	End	690
Name	OJ990420_09.9923.C38.o1.np	Method	AAT/NAP
Start	1	End	690
GI	6446577	Score	434
Exons	1..24, 282..548, 642..690		
GI Descrip.	(AF150630) cellulose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	10961	Seq. ID	OJ990420_09.9923.C38
Gene No.	23290	Strand	+
Start	1	End	690
Name	OJ990420_09.9923.C38.o1.tm	Method	TBLASTX:Maize
Start	281	End	690
GI	none	Score	451
Exons	281..550, 282..551, 283..549, 291..551, 637..690, 641..688		

Seq. No.	10961	Seq. ID	OJ990420_09.9923.C38
Gene No.	23290	Strand	+
Start	1	End	690
Name	OJ990420_09.9923.C38.o1.tc	Method	TBLASTX:Cress
Start	282	End	690
GI	none	Score	420
Exons	282..551, 283..549, 627..689, 637..690		

Seq. No.	10961	Seq. ID	OJ990420_09.9923.C38
Gene No.	23290	Strand	+
Start	1	End	690
Name	OJ990420_09.9923.C38.o1.ts	Method	TBLASTX:Soybean
Start	282	End	690
GI	none	Score	127
Exons	282..491, 282..551, 283..549, 637..690, 639..689		

Seq. No.	10962	Seq. ID	OJ990420_09.9923.C39
Gene No.	23291	Strand	-
Start	1	End	439
Name	OJ990420_09.9923.C39.o1.np	Method	AAT/NAP
Start	1	End	439
GI	5902387	Score	177
Exons	1..257, 372..439		
GI Descrip.	(AC009322) Similar to polygalacturonases [Arabidopsis thaliana]		

Seq. No.	10962	Seq. ID	OJ990420_09.9923.C39
Gene No.	23291	Strand	-
Start	1	End	439
Name	OJ990420_09.9923.C39.o1.ts	Method	TBLASTX:Soybean
Start	45	End	258
GI	none	Score	81
Exons	45..257, 103..258		

Seq. No.	10962	Seq. ID	OJ990420_09.9923.C39
Gene No.	23291	Strand	-

Start	1	End	439
Name	OJ990420_09.9923.C39.o1.gs	Method	GENSCAN
Start	50	End	257
GI	none	Score	.95
Exons	50..257		

Seq. No.	10962	Seq. ID	OJ990420_09.9923.C39
Gene No.	23291	Strand	-
Start	1	End	439
Name	OJ990420_09.9923.C39.o1.tm	Method	TBLASTX:Maize
Start	65	End	259
GI	none	Score	186
Exons	65..217, 66..257, 67..246, 170..259		

Seq. No.	10963	Seq. ID	OJ990420_09.9923.C41
Gene No.	23292	Strand	+
Start	1	End	599
Name	OJ990420_09.9923.C41.o1.np	Method	AAT/NAP
Start	1	End	599
GI	2909846	Score	173
Exons	1..282, 455..599		
GI Descrip.	(AF045570) (S)-adenosyl-L-methionine:delta 24-sterol methyltransferase [Zea mays]		

Seq. No.	10963	Seq. ID	OJ990420_09.9923.C41
Gene No.	23292	Strand	+
Start	1	End	599
Name	OJ990420_09.9923.C41.o1.gs	Method	GENSCAN
Start	109	End	552
GI	none	Score	.82
Exons	109..200, 455..552		

Seq. No.	10963	Seq. ID	OJ990420_09.9923.C41
Gene No.	23292	Strand	+
Start	1	End	599
Name	OJ990420_09.9923.C41.o1.tc	Method	TBLASTX:Cress
Start	148	End	553
GI	none	Score	149
Exons	148..267, 150..272, 154..285, 454..552, 455..553		

Seq. No.	10964	Seq. ID	OJ990420_09.9923.C43
Gene No.	23293	Strand	-
Start	117	End	620
Name	OJ990420_09.9923.C43.o1.ts	Method	TBLASTX:Soybean
Start	109	End	619
GI	none	Score	293
Exons	109..483, 126..509, 505..540, 530..619, 531..611		

Seq. No.	10964	Seq. ID	OJ990420_09.9923.C43
Gene No.	23293	Strand	-
Start	117	End	620
Name	OJ990420_09.9923.C43.o1.tm	Method	TBLASTX:Maize
Start	111	End	619
GI	none	Score	399
Exons	111..509, 114..497, 115..504, 505..540, 506..541, 530..619, 531..614, 545..619		

Seq. No.	10964	Seq. ID	OJ990420_09.9923.C43
Gene No.	23293	Strand	-
Start	117	End	620
Name	OJ990420_09.9923.C43.o1.tw	Method	TBLASTX:Wheat
Start	111	End	279
GI	none	Score	189
Exons	111..278, 112..279, 112..264,	123..278	

Seq. No.	10964	Seq. ID	OJ990420_09.9923.C43
Gene No.	23293	Strand	-
Start	117	End	620
Name	OJ990420_09.9923.C43.o1.gs	Method	GENSCAN
Start	117	End	559
GI	none	Score	.86
Exons	117..559		

Seq. No.	10964	Seq. ID	OJ990420_09.9923.C43
Gene No.	23293	Strand	-
Start	117	End	620
Name	OJ990420_09.9923.C43.o1.np	Method	AAT/NAP
Start	123	End	620
GI	6648215	Score	474
Exons	123..620		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	10964	Seq. ID	OJ990420_09.9923.C43
Gene No.	23293	Strand	-
Start	117	End	620
Name	OJ990420_09.9923.C43.o1.tc	Method	TBLASTX:Cress
Start	135	End	619
GI	none	Score	265
Exons	135..509, 136..483, 530..619		

Seq. No.	10965	Seq. ID	OJ990420_09.9923.C44
Gene No.	23294	Strand	+
Start	532	End	588
Name	OJ990420_09.9923.C44.o1.gs	Method	GENSCAN
Start	532	End	588
GI	none	Score	.83
Exons	532..588		

Seq. No.	10966	Seq. ID	OJ990420_09.9923.C46
Gene No.	23295	Strand	+
Start	1	End	1150
Name	OJ990420_09.9923.C46.o1.np	Method	AAT/NAP
Start	1	End	1150
GI	2665890	Score	550
Exons	1..189, 283..513, 998..1150		
GI Descrip.	(AF035944) calcium-dependent protein kinase [Fragaria x ananassa]		

Seq. No.	10966	Seq. ID	OJ990420_09.9923.C46
Gene No.	23295	Strand	+
Start	1	End	1150
Name	OJ990420_09.9923.C46.o1.gs	Method	GENSCAN
Start	47	End	1147
GI	none	Score	.82

Exons	47..189, 283..513, 998..1147		
Seq. No.	10966	Seq. ID	OJ990420_09.9923.C46
Gene No.	23296	Strand	+
Start	1149	End	1221
Name	OJ990420_09.9923.C46.o1.tc	Method	TBLASTX:Cress
Start	16	End	1129
GI	none	Score	173
Exons	16..189, 21..188, 29..211, 283..459, 286..444, 486..524, 995..1129, 997..1065		
Seq. No.	10966	Seq. ID	OJ990420_09.9923.C46
Gene No.	23296	Strand	+
Start	1149	End	1221
Name	OJ990420_09.9923.C46.o1.ts	Method	TBLASTX:Soybean
Start	16	End	1129
GI	none	Score	154
Exons	16..189, 21..188, 285..401, 286..513, 995..1129, 997..1065		
Seq. No.	10966	Seq. ID	OJ990420_09.9923.C46
Gene No.	23296	Strand	+
Start	1149	End	1221
Name	OJ990420_09.9923.C46.o1.tm	Method	TBLASTX:Maize
Start	16	End	519
GI	none	Score	200
Exons	16..189, 21..188, 28..210, 29..211, 282..395, 283..513, 286..519		
Seq. No.	10966	Seq. ID	OJ990420_09.9923.C46
Gene No.	23296	Strand	+
Start	1149	End	1221
Name	OJ990420_09.9923.C46.o1.tw	Method	TBLASTX:Wheat
Start	94	End	1048
GI	none	Score	73
Exons	94..189, 280..333, 282..395, 283..441, 998..1048		
Seq. No.	10966	Seq. ID	OJ990420_09.9923.C46
Gene No.	23296	Strand	+
Start	1149	End	1221
Name	OJ990420_09.9923.C46.o2.tm	Method	TBLASTX:Maize
Start	993	End	1129
GI	none	Score	83
Exons	993..1124, 995..1129, 995..1123, 997..1125		
Seq. No.	10966	Seq. ID	OJ990420_09.9923.C46
Gene No.	23296	Strand	+
Start	1149	End	1221
Name	OJ990420_09.9923.C46.o1.gp	Method	AAT/GAP
Start	1149	End	1221
GI	2317604	Score	134
Exons	1149..1221		
Seq. No.	10967	Seq. ID	OJ990420_06.9923.C1
Gene No.	23297	Strand	+
Start	238	End	741
Name	OJ990420_06.9923.C1.o1.gs	Method	GENSCAN
Start	238	End	741
GI	none	Score	.79

Exons	238..517, 532..741		
Seq. No.	10968	Seq. ID	OJ990420_06.9923.C3
Gene No.	23298	Strand	+
Start	360	End	537
Name	OJ990420_06.9923.C3.o1.gs	Method	GENSCAN
Start	360	End	537
GI	none	Score	.59
Exons	360..537		
Seq. No.	10969	Seq. ID	OJ990420_06.9923.C5
Gene No.	23299	Strand	-
Start	1	End	714
Name	OJ990420_06.9923.C5.o1.gp	Method	AAT/GAP
Start	1	End	714
GI	LIB3431-047-P1-N1-D8	Score	645
Exons	1..216, 484..582, 673..714		
GI Descrip.	'5911312/gb|AAD55746.1|AF026167_1 1.0e-46 (AF026167) ankyrin repeat protein EMB506 [Arabidopsis thaliana]'		
Seq. No.	10969	Seq. ID	OJ990420_06.9923.C5
Gene No.	23299	Strand	-
Start	1	End	714
Name	OJ990420_06.9923.C5.o1.gs	Method	GENSCAN
Start	112	End	582
GI	none	Score	.57
Exons	112..216, 484..582		
Seq. No.	10969	Seq. ID	OJ990420_06.9923.C5
Gene No.	23299	Strand	-
Start	1	End	714
Name	OJ990420_06.9923.C5.o1.np	Method	AAT/NAP
Start	118	End	714
GI	5911312	Score	265
Exons	118..216, 484..582, 673..714		
GI Descrip.	(AF026167) ankyrin repeat protein EMB506 [Arabidopsis thaliana]		
Seq. No.	10970	Seq. ID	OJ990420_06.9923.C8
Gene No.	23300	Strand	+
Start	1	End	682
Name	OJ990420_06.9923.C8.o1.np	Method	AAT/NAP
Start	1	End	682
GI	5091543	Score	347
Exons	1..250, 333..413, 515..682		
GI Descrip.	(AC007067) T10O24.12 [Arabidopsis thaliana]		
Seq. No.	10970	Seq. ID	OJ990420_06.9923.C8
Gene No.	23300	Strand	+
Start	1	End	682
Name	OJ990420_06.9923.C8.o1.ts	Method	TBLASTX:Soybean
Start	11	End	618
GI	none	Score	86
Exons	11..76, 15..80, 27..80, 152..250, 152..247, 154..264, 327..413, 327..374, 332..415, 512..616, 514..618, 565..615		
Seq. No.	10970	Seq. ID	OJ990420_06.9923.C8
Gene No.	23300	Strand	+

Start	1	End	682
Name	OJ990420_06.9923.C8.o1.gs	Method	GENSCAN
Start	155	End	616
GI	none	Score	.84
Exons	155..250, 333..413, 515..616		

Seq. No.	10970	Seq. ID	OJ990420_06.9923.C8
Gene No.	23300	Strand	+
Start	1	End	682
Name	OJ990420_06.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	371	End	623
GI	none	Score	68
Exons	371..409, 372..413, 512..622, 515..556, 561..623, 562..618		

Seq. No.	10971	Seq. ID	OJ990420_06.9923.C10
Gene No.	23301	Strand	+
Start	1	End	129
Name	OJ990420_06.9923.C10.o1.gp	Method	AAT/GAP
Start	1	End	129
GI	uC-osf1cyp032h03b1	Score	242
Exons	1..129		
GI Descrip.	'283442/pir||A40215 5.0e-09 TcD antigen - Trypanosoma cruzi'		

Seq. No.	10971	Seq. ID	OJ990420_06.9923.C10
Gene No.	23302	Strand	+
Start	54	End	340
Name	OJ990420_06.9923.C10.o1.gs	Method	GENSCAN
Start	54	End	340
GI	none	Score	.53
Exons	54..340		

Seq. No.	10972	Seq. ID	OJ990420_06.9923.C11
Gene No.	23303	Strand	-
Start	1	End	571
Name	OJ990420_06.9923.C11.o1.np	Method	AAT/NAP
Start	1	End	571
GI	6466937	Score	508
Exons	1..571		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10972	Seq. ID	OJ990420_06.9923.C11
Gene No.	23303	Strand	-
Start	1	End	571
Name	OJ990420_06.9923.C11.o1.tw	Method	TBLASTX:Wheat
Start	163	End	568
GI	none	Score	88
Exons	163..456, 176..463, 182..568, 189..476		

Seq. No.	10972	Seq. ID	OJ990420_06.9923.C11
Gene No.	23303	Strand	-
Start	1	End	571
Name	OJ990420_06.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	188	End	571
GI	none	Score	291
Exons	188..571, 189..566		

Seq. No.	10972	Seq. ID	OJ990420_06.9923.C11
Gene No.	23303	Strand	-
Start	1	End	571
Name	OJ990420_06.9923.C11.o1.ts	Method	TBLASTX:Soybean
Start	288	End	560
GI	none	Score	43
Exons	288..332, 296..340, 326..391,	330..392, 416..559, 417..560	

Seq. No.	10973	Seq. ID	OJ990420_06.9923.C14
Gene No.	23304	Strand	-
Start	1	End	706
Name	OJ990420_06.9923.C14.o1.np	Method	AAT/NAP
Start	1	End	706
GI	6466937	Score	423
Exons	1..706		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10973	Seq. ID	OJ990420_06.9923.C14
Gene No.	23304	Strand	-
Start	1	End	706
Name	OJ990420_06.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	112	End	603
GI	none	Score	270
Exons	112..603, 116..601		

Seq. No.	10973	Seq. ID	OJ990420_06.9923.C14
Gene No.	23304	Strand	-
Start	1	End	706
Name	OJ990420_06.9923.C14.o1.tw	Method	TBLASTX:Wheat
Start	436	End	702
GI	none	Score	62
Exons	436..702, 470..691		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23305	Strand	+
Start	8290	End	10449
Name	OJ990420_06.9923.C15.o2.gs	Method	GENSCAN
Start	8290	End	10449
GI	none	Score	.56
Exons	8290..8331, 9279..9418, 9981..10316, 10443..10449		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23305	Strand	+
Start	8290	End	10449
Name	OJ990420_06.9923.C15.o1.gp	Method	AAT/GAP
Start	10116	End	10352
GI	4671_1.R1084	Score	354
Exons	10116..10352		
GI Descrip.	'4544428/gb|AAD22337.1|AC006955_23 7.0e-33 (AC006955) unknown protein [Arabidopsis thaliana]'		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o1.np	Method	AAT/NAP
Start	149	End	6120

GI	6466937	Score	2401
Exons	149..3967, 3995..4451, 6090..6120		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o4.tm	Method	TBLASTX:Maize
Start	225	End	821
GI	none	Score	112
Exons	225..443, 225..821, 511..693, 516..815		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o5.tw	Method	TBLASTX:Wheat
Start	484	End	659
GI	none	Score	81
Exons	484..648, 495..659		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o4.tw	Method	TBLASTX:Wheat
Start	660	End	1244
GI	none	Score	88
Exons	660..782, 839..1132, 852..1139, 858..1244, 865..1152		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	864	End	1499
GI	none	Score	473
Exons	864..1499, 865..1497		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o1.ts	Method	TBLASTX:Soybean
Start	1092	End	1475
GI	none	Score	185
Exons	1092..1475, 1093..1461		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o2.tw	Method	TBLASTX:Wheat
Start	1332	End	1736
GI	none	Score	53
Exons	1332..1736, 1333..1386, 1486..1599		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o5.tm	Method	TBLASTX:Maize

Start	1500	End	1925
GI	none	Score	133
Exons	1500..1739, 1749..1925, 1756..1923, 1785..1925		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o4.ts	Method	TBLASTX:Soybean
Start	1911	End	2166
GI	none	Score	81
Exons	1911..2165, 2017..2166		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o3.tm	Method	TBLASTX:Maize
Start	1926	End	2447
GI	none	Score	156
Exons	1926..2420, 1926..2447, 1936..2445		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o3.tw	Method	TBLASTX:Wheat
Start	2076	End	2477
GI	none	Score	66
Exons	2076..2477, 2139..2342		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o2.ts	Method	TBLASTX:Soybean
Start	2190	End	2562
GI	none	Score	122
Exons	2190..2549, 2203..2562		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o2.tm	Method	TBLASTX:Maize
Start	2472	End	2946
GI	none	Score	309
Exons	2472..2945, 2473..2946		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o1.tw	Method	TBLASTX:Wheat
Start	2526	End	3009
GI	none	Score	195
Exons	2526..3008, 2530..3009		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o3.ts	Method	TBLASTX:Soybean
Start	2658	End	2972

GI	none	Score	202
Exons	2658..2972		

Seq. No.	10974	Seq. ID	OJ990420_06.9923.C15
Gene No.	23306	Strand	-
Start	149	End	6120
Name	OJ990420_06.9923.C15.o6.tm	Method	TBLASTX:Maize
Start	2997	End	3830
GI	none	Score	131
Exons	2997..3101, 3222..3305, 3393..3635, 3687..3830		

Seq. No.	10975	Seq. ID	OJ990420_06.9923.C16
Gene No.	23307	Strand	+
Start	1	End	2641
Name	OJ990420_06.9923.C16.o1.np	Method	AAT/NAP
Start	1	End	2177
GI	4544428	Score	289
Exons	1..26, 895..937, 1035..1236, 2094..2177		
GI Descrip.	(AC006955) unknown protein [Arabidopsis thaliana]		

Seq. No.	10975	Seq. ID	OJ990420_06.9923.C16
Gene No.	23307	Strand	+
Start	1	End	2641
Name	OJ990420_06.9923.C16.o1.gp	Method	AAT/GAP
Start	899	End	2641
GI	4671_1.R1084	Score	1037
Exons	899..937, 1035..1236, 2094..2172, 2263..2380, 2475..2641		
GI Descrip.	'4544428/gb|AAD22337.1|AC006955_23 7.0e-33 (AC006955) unknown protein [Arabidopsis thaliana]'		

Seq. No.	10975	Seq. ID	OJ990420_06.9923.C16
Gene No.	23307	Strand	+
Start	1	End	2641
Name	OJ990420_06.9923.C16.o1.gs	Method	GENSCAN
Start	1035	End	1902
GI	none	Score	.63
Exons	1035..1236, 1510..1624, 1787..1902		

Seq. No.	10975	Seq. ID	OJ990420_06.9923.C16
Gene No.	23308	Strand	-
Start	2984	End	3274
Name	OJ990420_06.9923.C16.o1.tc	Method	TBLASTX:Cress
Start	896	End	2345
GI	none	Score	197
Exons	896..952, 1030..1182, 1038..1178, 1188..1238, 1192..1239, 2103..2168, 2259..2330, 2268..2345		

Seq. No.	10975	Seq. ID	OJ990420_06.9923.C16
Gene No.	23308	Strand	-
Start	2984	End	3274
Name	OJ990420_06.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	896	End	1283
GI	none	Score	87
Exons	896..967, 899..985, 941..1144, 976..1239, 990..1238, 991..1239, 993..1241, 1245..1283, 1247..1282		

Seq. No.	10975	Seq. ID	OJ990420_06.9923.C16

Gene No.	23308	Strand	-
Start	2984	End	3274
Name	OJ990420_06.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	896	End	2336
GI	none	Score	57
Exons	896..940, 900..938, 1030..1242, 1036..1236, 1038..1238, 2091..2171, 2259..2333, 2264..2335, 2265..2336		

Seq. No.	10975	Seq. ID	OJ990420_06.9923.C16
Gene No.	23308	Strand	-
Start	2984	End	3274
Name	OJ990420_06.9923.C16.o2.tm	Method	TBLASTX:Maize
Start	2089	End	2375
GI	none	Score	108
Exons	2089..2172, 2094..2171, 2094..2210, 2264..2374, 2264..2371, 2265..2375, 2265..2372		

Seq. No.	10975	Seq. ID	OJ990420_06.9923.C16
Gene No.	23308	Strand	-
Start	2984	End	3274
Name	OJ990420_06.9923.C16.o2.gs	Method	GENSCAN
Start	2984	End	3274
GI	none	Score	.59
Exons	2984..3274		

Seq. No.	10976	Seq. ID	OJ990420_06.9923.C17
Gene No.	23309	Strand	-
Start	1	End	635
Name	OJ990420_06.9923.C17.o1.np	Method	AAT/NAP
Start	1	End	632
GI	4741199	Score	108
Exons	1..64, 302..632		
GI Descrip.	(AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	10976	Seq. ID	OJ990420_06.9923.C17
Gene No.	23309	Strand	-
Start	1	End	635
Name	OJ990420_06.9923.C17.o1.gs	Method	GENSCAN
Start	267	End	635
GI	none	Score	.71
Exons	267..635		

Seq. No.	10976	Seq. ID	OJ990420_06.9923.C17
Gene No.	23310	Strand	-
Start	3978	End	4474
Name	OJ990420_06.9923.C17.o3.gs	Method	GENSCAN
Start	3978	End	4421
GI	none	Score	.91
Exons	3978..4421		

Seq. No.	10976	Seq. ID	OJ990420_06.9923.C17
Gene No.	23310	Strand	-
Start	3978	End	4474
Name	OJ990420_06.9923.C17.o2.np	Method	AAT/NAP
Start	4007	End	4474
GI	4741199	Score	144
Exons	4007..4474		

GI Descrip. (AL049746) putative protein [Arabidopsis thaliana]

Seq. No.	10976	Seq. ID	OJ990420_06.9923.C17
Gene No.	23310	Strand	-
Start	3978	End	4474
Name	OJ990420_06.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	4047	End	4436
GI	none	Score	60
Exons	4047..4091, 4128..4202, 4138..4203, 4182..4295, 4335..4436		

Seq. No.	10977	Seq. ID	OJ990420_06.9923.C18
Gene No.	23311	Strand	+
Start	108	End	554
Name	OJ990420_06.9923.C18.o1.gs	Method	GENSCAN
Start	108	End	554
GI	none	Score	.58
Exons	108..554		

Seq. No.	10977	Seq. ID	OJ990420_06.9923.C18
Gene No.	23312	Strand	+
Start	5725	End	6294
Name	OJ990420_06.9923.C18.o2.gs	Method	GENSCAN
Start	5725	End	6294
GI	none	Score	.76
Exons	5725..5778, 5960..6056, 6083..6294		

Seq. No.	10977	Seq. ID	OJ990420_06.9923.C18
Gene No.	23313	Strand	-
Start	1	End	346
Name	OJ990420_06.9923.C18.o1.np	Method	AAT/NAP
Start	1	End	346
GI	4741199	Score	182
Exons	1..346		

GI Descrip. (AL049746) putative protein [Arabidopsis thaliana]

Seq. No.	10977	Seq. ID	OJ990420_06.9923.C18
Gene No.	23314	Strand	-
Start	7339	End	8503
Name	OJ990420_06.9923.C18.o3.gs	Method	GENSCAN
Start	7339	End	8503
GI	none	Score	.56
Exons	7339..7507, 8319..8503		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23315	Strand	+
Start	1	End	12357
Name	OJ990420_06.9923.C19.o1.np	Method	AAT/NAP
Start	1	End	770
GI	6016874	Score	62
Exons	1..64, 620..770		

GI Descrip. (AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23315	Strand	+
Start	1	End	12357

Name	OJ990420_06.9923.C19.o1.gs	Method	GENSCAN
Start	635	End	12147
GI	none	Score	.72
Exons	635..739, 756..1229, 1307..1641, 5580..5724, 8681..8797, 9060..9344, 9625..9732, 9800..9882, 9981..10092, 11143..11193, 11642..11728, 11947..12147		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23315	Strand	+
Start	1	End	12357
Name	OJ990420_06.9923.C19.o2.np	Method	AAT/NAP
Start	848	End	4237
GI	4741200	Score	334
Exons	848..1234, 1315..1465, 2293..2361, 2410..2506, 4206..4237		
GI Descrip.	(AL049746) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23315	Strand	+
Start	1	End	12357
Name	OJ990420_06.9923.C19.o1.gp	Method	AAT/GAP
Start	1034	End	1323
GI	uC-osroM202005h10b1	Score	543
Exons	1034..1323		
GI Descrip.	'5123950/emb|CAB45508.1| 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]'		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23315	Strand	+
Start	1	End	12357
Name	OJ990420_06.9923.C19.o4.np	Method	AAT/NAP
Start	7198	End	7403
GI	6539571	Score	60
Exons	7198..7403		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23315	Strand	+
Start	1	End	12357
Name	OJ990420_06.9923.C19.o5.np	Method	AAT/NAP
Start	9217	End	12357
GI	4249662	Score	816
Exons	9217..9344, 9609..9732, 9800..9882, 9981..10092, 10179..10283, 11143..11193, 11642..11715, 11797..11921, 11999..12147, 12243..12357		
GI Descrip.	(AF089810) Altered Response to Gravity [Arabidopsis thaliana] gi|6714354|gb|AAF26045.1|AC015986_8 (AC015986) ARG1 protein (Altered Response to Gravity) [Arabidopsis thaliana]		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23315	Strand	+
Start	1	End	12357
Name	OJ990420_06.9923.C19.o2.gp	Method	AAT/GAP
Start	11813	End	12357
GI	LIB3434-010-P1-K1-F1	Score	546
Exons	11813..11921, 11999..12148, 12243..12357		
GI Descrip.	'2829865 4.0e-41 (AC002396) N-terminal region similar to DNA-J proteins [Arabidopsis thaliana]'		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23316	Strand	-
Start	5119	End	6605
Name	OJ990420_06.9923.C19.o3.tm	Method	TBLASTX:Maize
Start	971	End	1483
GI	none	Score	108
Exons	971..1015, 972..1040, 1119..1232, 1121..1231, 1280..1483, 1342..1482, 1409..1483		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23316	Strand	-
Start	5119	End	6605
Name	OJ990420_06.9923.C19.o2.tm	Method	TBLASTX:Maize
Start	2258	End	2643
GI	none	Score	94
Exons	2258..2323, 2259..2321, 2260..2322, 2260..2328, 2354..2566, 2361..2639, 2362..2643		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23316	Strand	-
Start	5119	End	6605
Name	OJ990420_06.9923.C19.o3.np	Method	AAT/NAP
Start	5119	End	6605
GI	5852093	Score	74
Exons	5119..5225, 6574..6605		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23317	Strand	
Start	9201	End	12311
Name	OJ990420_06.9923.C19.o4.tm	Method	TBLASTX:Maize
Start	9201	End	10002
GI	none	Score	74
Exons	9201..9254, 9202..9255, 9234..9335, 9241..9336, 9267..9347, 9277..9345, 9591..9737, 9605..9730, 9606..9731, 9607..9732, 9803..9886, 9804..9878, 9820..9879, 9978..9998, 9979..10002		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23317	Strand	
Start	9201	End	12311
Name	OJ990420_06.9923.C19.o1.tc	Method	TBLASTX:Cress
Start	9208	End	12311
GI	none	Score	108
Exons	9208..9336, 9606..9731, 9607..9732, 9617..9733, 9797..9880, 9835..9882, 9975..10094, 9979..10095, 10170..10283, 10172..10300, 10173..10286, 11134..11193, 11635..11706, 11639..11716, 11815..11922, 11816..11932, 11997..12140, 11998..12147, 12240..12311, 12245..12298		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23317	Strand	
Start	9201	End	12311
Name	OJ990420_06.9923.C19.o1.ts	Method	TBLASTX:Soybean
Start	9259	End	10095
GI	none	Score	115
Exons	9259..9336, 9267..9353, 9591..9731, 9607..9732, 9610..9735,		

9617..9739, 9797..9877, 9972..10073, 9979..10095

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23317	Strand	
Start	9201	End	12311
Name	OJ990420_06.9923.C19.o1.tm	Method	TBLASTX:Maize
Start	10003	End	12311
GI	none	Score	119
Exons	10003..10095, 10014..10094, 10175..10282, 10176..10286, 11134..11193, 11638..11727, 11639..11734, 11639..11728, 11812..11922, 11813..11932, 11813..11947, 11982..12140, 11997..12149, 11998..12150, 12235..12309, 12240..12311, 12240..12293, 12242..12295		

Seq. No.	10978	Seq. ID	OJ990420_06.9923.C19
Gene No.	23317	Strand	
Start	9201	End	12311
Name	OJ990420_06.9923.C19.o2.ts	Method	TBLASTX:Soybean
Start	11639	End	11926
GI	none	Score	128
Exons	11639..11719, 11639..11710, 11641..11715, 11815..11922, 11816..11926		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23318	Strand	+
Start	72	End	469
Name	OJ990420_06.9923.C20.o1.gp	Method	AAT/GAP
Start	72	End	133
GI	LIB3434-010-P1-K1-F1	Score	93
Exons	72..133		
GI Descrip.	'2829865 4.0e-41 (AC002396) N-terminal region similar to DNA-J proteins [Arabidopsis thaliana]'		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23318	Strand	+
Start	72	End	469
Name	OJ990420_06.9923.C20.o1.gs	Method	GENSCAN
Start	72	End	469
GI	none	Score	.89
Exons	72..186, 444..469		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23319	Strand	+
Start	2109	End	3092
Name	OJ990420_06.9923.C20.o1.np	Method	AAT/NAP
Start	2097	End	3086
GI	2245128	Score	867
Exons	2097..3086		
GI Descrip.	(Z97344) peroxidase like protein [Arabidopsis thaliana]		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23319	Strand	+
Start	2109	End	3092
Name	OJ990420_06.9923.C20.o2.gs	Method	GENSCAN
Start	2109	End	3092
GI	none	Score	1
Exons	2109..3092		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23320	Strand	-
Start	637	End	893
Name	OJ990420_06.9923.C20.o2.gp	Method	AAT/GAP
Start	637	End	893
GI	969000	Score	401
Exons	637..893		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23321	Strand	-
Start	4025	End	4255
Name	OJ990420_06.9923.C20.o2.tm	Method	TBLASTX:Maize
Start	63	End	385
GI	none	Score	193
Exons	63..182, 64..366, 65..385, 242..376		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23321	Strand	-
Start	4025	End	4255
Name	OJ990420_06.9923.C20.o1.tc	Method	TBLASTX:Cress
Start	2166	End	3074
GI	none	Score	160
Exons	2166..2339, 2195..2311, 2355..2723, 2357..2509, 2745..2798, 2832..3074		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23321	Strand	-
Start	4025	End	4255
Name	OJ990420_06.9923.C20.o1.ts	Method	TBLASTX:Soybean
Start	2166	End	3062
GI	none	Score	188
Exons	2166..2393, 2195..2392, 2442..2723, 2621..2707, 2745..2792, 2811..3062		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23321	Strand	-
Start	4025	End	4255
Name	OJ990420_06.9923.C20.o1.tw	Method	TBLASTX:Wheat
Start	2172	End	2723
GI	none	Score	383
Exons	2172..2723, 2195..2509, 2376..2522, 2585..2707		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23321	Strand	-
Start	4025	End	4255
Name	OJ990420_06.9923.C20.o1.tm	Method	TBLASTX:Maize
Start	2255	End	3083
GI	none	Score	355
Exons	2255..2509, 2256..2597, 2325..2540, 2499..2723, 2567..2716, 2744..2875, 2745..3083, 2883..2999, 2939..3082		

Seq. No.	10979	Seq. ID	OJ990420_06.9923.C20
Gene No.	23321	Strand	-
Start	4025	End	4255
Name	OJ990420_06.9923.C20.o3.gs	Method	GENSCAN
Start	4025	End	4255

GI	none	Score	.57
Exons	4025..4255		

Seq. No.	10980	Seq. ID	OJ990420_06.9923.C21
Gene No.	23322	Strand	+
Start	1	End	6991
Name	OJ990420_06.9923.C21.o1.np	Method	AAT/NAP
Start	1	End	6024
GI	5091543	Score	1227
Exons	1..71, 645..895, 1014..1072, 1220..1357, 1758..1832, 1934..2086, 2346..2415, 3555..3630, 3715..3848, 4277..4433, 5083..5157, 5239..5516, 5599..5679, 5781..5882, 5959..6024		
GI Descrip.	(AC007067) T10O24.12 [Arabidopsis thaliana]		

Seq. No.	10980	Seq. ID	OJ990420_06.9923.C21
Gene No.	23322	Strand	+
Start	1	End	6991
Name	OJ990420_06.9923.C21.o1.gs	Method	GENSCAN
Start	769	End	6991
GI	none	Score	.9
Exons	769..895, 1014..1072, 1220..1357, 1934..2017, 2346..2492, 3555..3630, 3715..3845, 4374..4433, 5083..5157, 5239..5343, 5421..5516, 5599..5679, 5781..5882, 6920..6991		

Seq. No.	10980	Seq. ID	OJ990420_06.9923.C21
Gene No.	23323	Strand	-
Start	6173	End	6362
Name	OJ990420_06.9923.C21.o1.tm	Method	TBLASTX:Maize
Start	3560	End	4421
GI	none	Score	116
Exons	3560..3631, 3561..3632, 3561..3662, 3565..3645, 3710..3844, 3712..3849, 3714..3845, 4338..4421		

Seq. No.	10980	Seq. ID	OJ990420_06.9923.C21
Gene No.	23323	Strand	-
Start	6173	End	6362
Name	OJ990420_06.9923.C21.o1.ts	Method	TBLASTX:Soybean
Start	4371	End	6016
GI	none	Score	66
Exons	4371..4433, 5277..5342, 5278..5346, 5279..5347, 5280..5342, 5418..5516, 5420..5530, 5593..5679, 5598..5681, 5778..5882, 5780..5884, 5831..5881, 5954..6016, 5956..6009		

Seq. No.	10980	Seq. ID	OJ990420_06.9923.C21
Gene No.	23323	Strand	-
Start	6173	End	6362
Name	OJ990420_06.9923.C21.o2.tm	Method	TBLASTX:Maize
Start	5637	End	6028
GI	none	Score	68
Exons	5637..5675, 5638..5679, 5778..5888, 5781..5822, 5828..5905, 5956..6009, 5957..6028		

Seq. No.	10980	Seq. ID	OJ990420_06.9923.C21
Gene No.	23323	Strand	-
Start	6173	End	6362
Name	OJ990420_06.9923.C21.o1.gp	Method	AAT/GAP
Start	6173	End	6362

GI	none	Score	359
Exons	6173..6362		

Seq. No.	10981	Seq. ID	OJ990420_06.9923.C22
Gene No.	23324	Strand	+
Start	179	End	2498
Name	OJ990420_06.9923.C22.o1.gs	Method	GENSCAN
Start	179	End	2498
GI	none	Score	.83
Exons	179..211, 1002..1200, 1345..1445, 1594..1793, 2093..2498		

Seq. No.	10981	Seq. ID	OJ990420_06.9923.C22
Gene No.	23324	Strand	+
Start	179	End	2498
Name	OJ990420_06.9923.C22.o1.np	Method	AAT/NAP
Start	993	End	2498
GI	5123949	Score	566
Exons	993..1200, 1345..1457, 1612..1793, 2093..2498		
GI Descrip.	(AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]		

Seq. No.	10981	Seq. ID	OJ990420_06.9923.C22
Gene No.	23324	Strand	+
Start	179	End	2498
Name	OJ990420_06.9923.C22.o2.gp	Method	AAT/GAP
Start	1032	End	1765
GI	4880017	Score	696
Exons	1032..1189, 1353..1445, 1594..1765		
GI Descrip.	5123950/emb|CAB45508.1| 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]		

Seq. No.	10981	Seq. ID	OJ990420_06.9923.C22
Gene No.	23325	Strand	+
Start	3703	End	3900
Name	OJ990420_06.9923.C22.o2.gs	Method	GENSCAN
Start	3703	End	3900
GI	none	Score	.7
Exons	3703..3900		

Seq. No.	10981	Seq. ID	OJ990420_06.9923.C22
Gene No.	23326	Strand	-
Start	1	End	58
Name	OJ990420_06.9923.C22.o1.gp	Method	AAT/GAP
Start	1	End	58
GI	3760640	Score	90
Exons	1..58		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	10981	Seq. ID	OJ990420_06.9923.C22
Gene No.	23327	Strand	
Start	1341	End	2264
Name	OJ990420_06.9923.C22.o1.tm	Method	TBLASTX:Maize
Start	1341	End	2264
GI	none	Score	82
Exons	1341..1457, 1624..1794, 1659..1781, 2166..2264, 2168..2257		

Seq. No.	10981	Seq. ID	OJ990420_06.9923.C22
Gene No.	23327	Strand	
Start	1341	End	2264
Name	OJ990420_06.9923.C22.o1.tc	Method	TBLASTX:Cress
Start	1615	End	1869
GI	none	Score	236
Exons	1615..1869, 1659..1796		

Seq. No.	10981	Seq. ID	OJ990420_06.9923.C22
Gene No.	23327	Strand	
Start	1341	End	2264
Name	OJ990420_06.9923.C22.o1.ts	Method	TBLASTX:Soybean
Start	1624	End	1836
GI	none	Score	241
Exons	1624..1836, 1653..1799		

Seq. No.	10982	Seq. ID	OJ990420_06.9923.C23
Gene No.	23328	Strand	+
Start	120	End	1356
Name	OJ990420_06.9923.C23.o1.gs	Method	GENSCAN
Start	120	End	1356
GI	none	Score	.56
Exons	120..239, 454..508, 854..1356		

Seq. No.	10983	Seq. ID	OJ990420_06.9923.C24
Gene No.	23329	Strand	+
Start	155	End	5128
Name	OJ990420_06.9923.C24.o1.gs	Method	GENSCAN
Start	155	End	5128
GI	none	Score	.85
Exons	155..298, 1136..1232, 1360..1403, 2239..5128		

Seq. No.	10983	Seq. ID	OJ990420_06.9923.C24
Gene No.	23329	Strand	+
Start	155	End	5128
Name	OJ990420_06.9923.C24.o1.np	Method	AAT/NAP
Start	164	End	2454
GI	4105772	Score	526
Exons	164..298, 1136..1265, 1526..1626, 2239..2454		
GI Descrip.	(AF049917) PGP9B [Petunia x hybrida]		

Seq. No.	10983	Seq. ID	OJ990420_06.9923.C24
Gene No.	23329	Strand	+
Start	155	End	5128
Name	OJ990420_06.9923.C24.o1.tc	Method	TBLASTX:Cress
Start	178	End	2432
GI	none	Score	146
Exons	178..294, 185..301, 185..295, 1129..1236, 1130..1237, 1139..1252, 1551..1628, 1552..1635, 1567..1632, 2229..2432, 2230..2427, 2260..2412		

Seq. No.	10983	Seq. ID	OJ990420_06.9923.C24
Gene No.	23329	Strand	+
Start	155	End	5128
Name	OJ990420_06.9923.C24.o3.tm	Method	TBLASTX:Maize
Start	178	End	1651
GI	none	Score	196

Exons	178..297, 178..279, 185..298, 185..295, 1540..1632, 1542..1628, 1543..1635, 1543..1632, 1553..1651		
Seq. No.	10983	Seq. ID	OJ990420_06.9923.C24
Gene No.	23329	Strand	+
Start	155	End	5128
Name	OJ990420_06.9923.C24.o1.ts	Method	TBLASTX:Soybean
Start	178	End	2418
GI	none	Score	105
Exons	178..294, 185..295, 188..301, 1129..1236, 1130..1252, 1139..1267, 1551..1637, 1552..1635, 1558..1632, 2229..2399, 2236..2403, 2260..2412, 2265..2414, 2272..2418		
Seq. No.	10983	Seq. ID	OJ990420_06.9923.C24
Gene No.	23329	Strand	+
Start	155	End	5128
Name	OJ990420_06.9923.C24.o1.tw	Method	TBLASTX:Wheat
Start	185	End	2412
GI	none	Score	106
Exons	185..295, 206..301, 208..294, 1130..1252, 1150..1236, 1551..1631, 1552..1635, 2229..2348, 2230..2367, 2260..2412		
Seq. No.	10983	Seq. ID	OJ990420_06.9923.C24
Gene No.	23329	Strand	+
Start	155	End	5128
Name	OJ990420_06.9923.C24.o2.tm	Method	TBLASTX:Maize
Start	1139	End	2403
GI	none	Score	77
Exons	1139..1267, 2233..2403, 2238..2399		
Seq. No.	10983	Seq. ID	OJ990420_06.9923.C24
Gene No.	23329	Strand	+
Start	155	End	5128
Name	OJ990420_06.9923.C24.o4.tm	Method	TBLASTX:Maize
Start	2695	End	3690
GI	none	Score	81
Exons	2695..2829, 3016..3222, 3429..3515, 3429..3518, 3430..3576, 3515..3667, 3515..3658, 3525..3671, 3526..3672, 3541..3690		
Seq. No.	10983	Seq. ID	OJ990420_06.9923.C24
Gene No.	23329	Strand	+
Start	155	End	5128
Name	OJ990420_06.9923.C24.o1.tm	Method	TBLASTX:Maize
Start	4006	End	4911
GI	none	Score	64
Exons	4006..4119, 4007..4114, 4126..4212, 4130..4222, 4187..4252, 4231..4287, 4325..4345, 4414..4749, 4420..4659, 4459..4782, 4509..4676, 4690..4857, 4700..4810, 4721..4810, 4723..4770, 4729..4911, 4751..4852, 4818..4874		
Seq. No.	10984	Seq. ID	OJ990420_06.9923.C25
Gene No.	23330	Strand	+
Start	1	End	64
Name	OJ990420_06.9923.C25.o1.gp	Method	AAT/GAP
Start	1	End	64
GI	uC-osf1cyp032h03b1	Score	120
Exons	1..64		

GI Descrip. '283442/pir||A40215 5.0e-09 TcD antigen - Trypanosoma cruzi'

Seq. No.	10984	Seq. ID	OJ990420_06.9923.C25
Gene No.	23331	Strand	+
Start	49	End	6106
Name	OJ990420_06.9923.C25.o1.gs	Method	GENSCAN
Start	49	End	5464
GI	none	Score	.58
Exons	49..319, 981..1372, 1645..1986, 2429..2522, 2624..2754, 3092..3154, 3244..3423, 3527..3580, 5253..5333, 5453..5464		

Seq. No.	10984	Seq. ID	OJ990420_06.9923.C25
Gene No.	23331	Strand	+
Start	49	End	6106
Name	OJ990420_06.9923.C25.o1.np	Method	AAT/NAP
Start	1020	End	6106
GI	5091544	Score	902
Exons	1020..1132, 1220..1381, 1558..1927, 2433..2560, 2624..2754, 3092..3154, 3244..3580, 4028..4087, 5636..5756, 5851..5935, 6011..6106		
GI Descrip.	(AC007067) T10O24.13 [Arabidopsis thaliana]		

Seq. No.	10984	Seq. ID	OJ990420_06.9923.C25
Gene No.	23332	Strand	-
Start	442	End	708
Name	OJ990420_06.9923.C25.o2.gp	Method	AAT/GAP
Start	442	End	708
GI	none	Score	504
Exons	442..708		

Seq. No.	10984	Seq. ID	OJ990420_06.9923.C25
Gene No.	23333	Strand	-
Start	6963	End	7791
Name	OJ990420_06.9923.C25.o2.gs	Method	GENSCAN
Start	6963	End	7540
GI	none	Score	.82
Exons	6963..7189, 7483..7540		

Seq. No.	10984	Seq. ID	OJ990420_06.9923.C25
Gene No.	23333	Strand	-
Start	6963	End	7791
Name	OJ990420_06.9923.C25.o2.np	Method	AAT/NAP
Start	7005	End	7791
GI	732311	Score	97
Exons	7005..7189, 7761..7791		
GI Descrip.	HYPOTHETICAL 15.7 KD PROTEIN IN PBPD-COMA INTERGENIC REGION (ORF2) gi|1075880|pir||B55220 pbpD 3'-region hypothetical protein - Bacillus subtilis gi|520537 (U11882) unknown [Bacillus subtilis] gi|1934785|emb|CAB07916| (Z93933) unknown [Bacillus subtilis] gi|2635646|emb|CAB15139| (Z99120) alternate gene name: yugD [Bacillus subtilis]		

Seq. No.	10985	Seq. ID	OJ990420_06.9923.C26
Gene No.	23334	Strand	+
Start	218	End	916
Name	OJ990420_06.9923.C26.o1.gs	Method	GENSCAN
Start	218	End	916

GI	none	Score	.9
Exons	218..916		

Seq. No.	10985	Seq. ID	OJ990420_06.9923.C26
Gene No.	23335	Strand	+
Start	3361	End	5202
Name	OJ990420_06.9923.C26.o1.ts	Method	TBLASTX:Soybean
Start	281	End	616
GI	none	Score	130
Exons	281..460, 282..458, 387..479, 558..608, 560..616		

Seq. No.	10985	Seq. ID	OJ990420_06.9923.C26
Gene No.	23335	Strand	+
Start	3361	End	5202
Name	OJ990420_06.9923.C26.o2.gs	Method	GENSCAN
Start	3361	End	4970
GI	none	Score	.65
Exons	3361..3757, 3884..3963, 4113..4211, 4374..4472, 4683..4781, 4872..4970		

Seq. No.	10985	Seq. ID	OJ990420_06.9923.C26
Gene No.	23335	Strand	+
Start	3361	End	5202
Name	OJ990420_06.9923.C26.o1.np	Method	AAT/NAP
Start	3564	End	5071
GI	5911312	Score	435
Exons	3564..3660, 3817..3963, 4113..4211, 4374..4472, 4683..4781, 4872..5071		
GI Descrip.	(AF026167) ankyrin repeat protein EMB506 [Arabidopsis thaliana]		

Seq. No.	10985	Seq. ID	OJ990420_06.9923.C26
Gene No.	23335	Strand	+
Start	3361	End	5202
Name	OJ990420_06.9923.C26.o1.gp	Method	AAT/GAP
Start	4442	End	5202
GI	LIB3431-047-P1-N1-D8	Score	406
Exons	4442..4472, 4683..4781, 4872..4971, 5157..5202		
GI Descrip.	'5911312/gb|AAD55746.1|AF026167_1 1.0e-46 (AF026167) ankyrin repeat protein EMB506 [Arabidopsis thaliana]'		

Seq. No.	10985	Seq. ID	OJ990420_06.9923.C26
Gene No.	23335	Strand	+
Start	3361	End	5202
Name	OJ990420_06.9923.C26.o1.tc	Method	TBLASTX:Cress
Start	4680	End	4972
GI	none	Score	141
Exons	4680..4781, 4682..4741, 4701..4784, 4869..4970, 4871..4972, 4872..4970, 4879..4971		

Seq. No.	10986	Seq. ID	OJ990420_06.9923.C27
Gene No.	23336	Strand	+
Start	278	End	708
Name	OJ990420_06.9923.C27.o1.gp	Method	AAT/GAP
Start	278	End	708
GI	39248_1.R1084	Score	819
Exons	278..708		
GI Descrip.	'4512325/dbj|BAA75230.1| 2.0e-20 (AB023619) methyltransferase		

related protein [Mus musculus]'

Seq. No.	10986	Seq. ID	OJ990420_06.9923.C27
Gene No.	23337	Strand	-
Start	437	End	1846
Name	OJ990420_06.9923.C27.o1.np	Method	AAT/NAP
Start	405	End	1587
GI	6754682	Score	651
Exons	405..895, 1294..1587		
GI Descrip.	methyltransferase-like 1 (S. cerevisiae) gi|4512325|dbj|BAA75230.1| (AB023619) methyltransferase related protein [Mus musculus]		

Seq. No.	10986	Seq. ID	OJ990420_06.9923.C27
Gene No.	23337	Strand	-
Start	437	End	1846
Name	OJ990420_06.9923.C27.o1.gs	Method	GENSCAN
Start	437	End	1662
GI	none	Score	.85
Exons	437..895, 1294..1662		

Seq. No.	10986	Seq. ID	OJ990420_06.9923.C27
Gene No.	23337	Strand	-
Start	437	End	1846
Name	OJ990420_06.9923.C27.o2.gp	Method	AAT/GAP
Start	1359	End	1846
GI	uC-osflcyp174b05b1	Score	976
Exons	1359..1846		
GI Descrip.	'2131358/pir||S67760 2.0e-11 hypothetical protein YDL201w - yeast (Saccharomyces cerevisiae) >gi_1429356_emb_CAA67468_ (X99000) ORF D1075 [Saccharomyces cerevisiae] >gi_1431332_emb_CAA98779_ (Z74249) ORF YDL201w [Saccharomyces cerevisiae]'		

Seq. No.	10986	Seq. ID	OJ990420_06.9923.C27
Gene No.	23338	Strand	-
Start	5757	End	7381
Name	OJ990420_06.9923.C27.o1.tm	Method	TBLASTX:Maize
Start	427	End	1359
GI	none	Score	96
Exons	427..540, 427..669, 440..898, 441..893, 449..898, 1203..1322, 1282..1359, 1291..1344		

Seq. No.	10986	Seq. ID	OJ990420_06.9923.C27
Gene No.	23338	Strand	-
Start	5757	End	7381
Name	OJ990420_06.9923.C27.o1.tc	Method	TBLASTX:Cress
Start	447	End	734
GI	none	Score	259
Exons	447..539, 449..733, 453..734		

Seq. No.	10986	Seq. ID	OJ990420_06.9923.C27
Gene No.	23338	Strand	-
Start	5757	End	7381
Name	OJ990420_06.9923.C27.o1.ts	Method	TBLASTX:Soybean
Start	767	End	1563
GI	none	Score	89

Exons	767..871, 777..872, 872..898, 1291..1398, 1292..1348, 1439..1561, 1441..1563		
Seq. No.	10986	Seq. ID	OJ990420_06.9923.C27
Gene No.	23338	Strand	-
Start	5757	End	7381
Name	OJ990420_06.9923.C27.o2.tc	Method	TBLASTX:Cress
Start	797	End	1563
GI	none	Score	68
Exons	797..859, 848..898, 1291..1404, 1292..1348, 1447..1563, 1466..1561		
Seq. No.	10986	Seq. ID	OJ990420_06.9923.C27
Gene No.	23338	Strand	-
Start	5757	End	7381
Name	OJ990420_06.9923.C27.o2.tm	Method	TBLASTX:Maize
Start	1360	End	1566
GI	none	Score	248
Exons	1360..1566, 1361..1561		
Seq. No.	10986	Seq. ID	OJ990420_06.9923.C27
Gene No.	23338	Strand	-
Start	5757	End	7381
Name	OJ990420_06.9923.C27.o2.gs	Method	GENSCAN
Start	5757	End	7381
GI	none	Score	.5
Exons	5757..6203, 6353..6526, 7355..7381		
Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23339	Strand	+
Start	1	End	3018
Name	OJ990420_06.9923.C30.o1.np	Method	AAT/NAP
Start	1	End	2967
GI	3915635	Score	226
Exons	1..65, 1114..1209, 1293..1494, 2564..2710, 2767..2967		
GI Descrip.	CYCLIN DELTA-1 gi|2995130|emb|CAA58285| (X83369) cyclin delta-1 [Arabidopsis thaliana]		
Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23339	Strand	+
Start	1	End	3018
Name	OJ990420_06.9923.C30.o1.gs	Method	GENSCAN
Start	1171	End	3018
GI	none	Score	.42
Exons	1171..1209, 1293..1421, 2536..2706, 2857..3018		
Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23340	Strand	+
Start	7749	End	9878
Name	OJ990420_06.9923.C30.o3.gs	Method	GENSCAN
Start	7749	End	9878
GI	none	Score	.79
Exons	7749..7942, 8379..8631, 8777..8804, 8848..9152, 9729..9878		
Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23341	Strand	-
Start	3904	End	6112

Name	OJ990420_06.9923.C30.o2.np	Method	AAT/NAP
Start	3810	End	5437
GI	6069646	Score	612
Exons	3810..4799, 5082..5437		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23341	Strand	-
Start	3904	End	6112
Name	OJ990420_06.9923.C30.o2.gs	Method	GENSCAN
Start	3904	End	6112
GI	none	Score	.44
Exons	3904..5373, 5987..6112		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23342	Strand	-
Start	9894	End	10390
Name	OJ990420_06.9923.C30.o1.gp	Method	AAT/GAP
Start	9894	End	10387
GI	LIB3433-015-Q6-K6-C4	Score	956
Exons	9894..10387		
GI Descrip.	'5123950/emb|CAB45508.1| 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]'		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23342	Strand	-
Start	9894	End	10390
Name	OJ990420_06.9923.C30.o4.gs	Method	GENSCAN
Start	10145	End	10390
GI	none	Score	.89
Exons	10145..10390		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23343	Strand	-
Start	10299	End	11877
Name	OJ990420_06.9923.C30.o3.np	Method	AAT/NAP
Start	10299	End	11877
GI	4249380	Score	265
Exons	10299..10365, 11404..11877		
GI Descrip.	(AC005966) ESTs gb|Z37637, gb|AA042498 and gb|AA042269 come from this gene. [Arabidopsis thaliana]		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23343	Strand	-
Start	10299	End	11877
Name	OJ990420_06.9923.C30.o5.gs	Method	GENSCAN
Start	11308	End	11877
GI	none	Score	.87
Exons	11308..11877		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23344	Strand	-
Start	13563	End	15118

Name	OJ990420_06.9923.C30.o6.gs	Method	GENSCAN
Start	13563	End	15118
GI	none	Score	.73
Exons	13563..13635, 15066..15118		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o1.ts	Method	TBLASTX:Soybean
Start	1111	End	1490
GI	none	Score	114
Exons	1111..1212, 1119..1208, 1123..1212, 1290..1490, 1292..1465		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o1.tc	Method	TBLASTX:Cress
Start	1119	End	1490
GI	none	Score	107
Exons	1119..1211, 1120..1221, 1290..1490, 1295..1438		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o5.tm	Method	TBLASTX:Maize
Start	1307	End	2706
GI	none	Score	214
Exons	1307..1489, 1314..1526, 1314..1493, 2560..2637, 2561..2647, 2565..2654, 2567..2614, 2686..2706		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o2.tw	Method	TBLASTX:Wheat
Start	3937	End	4284
GI	none	Score	171
Exons	3937..3984, 4096..4284		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o2.tm	Method	TBLASTX:Maize
Start	4018	End	4297
GI	none	Score	119
Exons	4018..4293, 4100..4297		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o4.tm	Method	TBLASTX:Maize
Start	4630	End	4855
GI	none	Score	116
Exons	4630..4854, 4631..4855		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956

Name	OJ990420_06.9923.C30.o3.ts	Method	TBLASTX:Soybean
Start	4708	End	5247
GI	none	Score	161
Exons	4708..4836, 4867..4890, 4897..5247		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o1.tw	Method	TBLASTX:Wheat
Start	4786	End	5226
GI	none	Score	58
Exons	4786..4944, 4790..4879, 4924..5226, 4934..5224		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o1.tm	Method	TBLASTX:Maize
Start	4867	End	5436
GI	none	Score	83
Exons	4867..5436, 4934..5137, 5180..5320		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o2.tc	Method	TBLASTX:Cress
Start	11551	End	11878
GI	none	Score	49
Exons	11551..11634, 11564..11635, 11743..11877, 11753..11878		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o2.ts	Method	TBLASTX:Soybean
Start	11554	End	11878
GI	none	Score	95
Exons	11554..11634, 11741..11878, 11743..11877		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o3.tm	Method	TBLASTX:Maize
Start	11578	End	11880
GI	none	Score	58
Exons	11578..11634, 11578..11634, 11722..11811, 11731..11880, 11741..11878		

Seq. No.	10987	Seq. ID	OJ990420_06.9923.C30
Gene No.	23345	Strand	-
Start	16779	End	16956
Name	OJ990420_06.9923.C30.o7.gs	Method	GENSCAN
Start	16779	End	16956
GI	none	Score	.73
Exons	16779..16956		

Seq. No.	10988	Seq. ID	OJ990420_06.9923.C31
Gene No.	23346	Strand	-
Start	46	End	467

Name	OJ990420_06.9923.C31.o1.gs	Method	GENSCAN
Start	46	End	467
GI	none	Score	.76
Exons	46..302, 366..467		

Seq. No.	10989	Seq. ID	OJ990420_06.9923.C33
Gene No.	23347	Strand	+
Start	160	End	471
Name	OJ990420_06.9923.C33.o1.gs	Method	GENSCAN
Start	160	End	471
GI	none	Score	.84
Exons	160..471		

Seq. No.	10990	Seq. ID	OJ990420_06.9923.C34
Gene No.	23348	Strand	-
Start	648	End	776
Name	OJ990420_06.9923.C34.o1.gs	Method	GENSCAN
Start	648	End	776
GI	none	Score	.98
Exons	648..776		

Seq. No.	10991	Seq. ID	OJ990520_09.9922.C1
Gene No.	23349	Strand	-
Start	397	End	464
Name	OJ990520_09.9922.C1.o1.gs	Method	GENSCAN
Start	397	End	464
GI	none	Score	.72
Exons	397..464		

Seq. No.	10991	Seq. ID	OJ990520_09.9922.C1
Gene No.	23350	Strand	-
Start	442	End	786
Name	OJ990520_09.9922.C1.o1.np	Method	AAT/NAP
Start	442	End	786
GI	6598401	Score	206
Exons	442..786		
GI Descrip.	(AC003974) putative salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	10991	Seq. ID	OJ990520_09.9922.C1
Gene No.	23350	Strand	-
Start	442	End	786
Name	OJ990520_09.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	448	End	786
GI	none	Score	143
Exons	448..591, 469..624, 487..612, 488..634, 488..634, 623..718, 623..721, 638..718, 769..786		

Seq. No.	10992	Seq. ID	OJ990520_09.9922.C2
Gene No.	23351	Strand	-
Start	561	End	738
Name	OJ990520_09.9922.C2.o1.gs	Method	GENSCAN
Start	561	End	738
GI	none	Score	.85
Exons	561..738		

Seq. No.	10993	Seq. ID	OJ990520_09.9922.C3

Gene No.	23352	Strand	-
Start	830	End	1168
Name	OJ990520_09.9922.C3.o1.gs	Method	GENSCAN
Start	830	End	1168
GI	none	Score	.85
Exons	830..1168		

Seq. No.	10994	Seq. ID	OJ990520_09.9922.C4
Gene No.	23353	Strand	-
Start	1	End	648
Name	OJ990520_09.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	424
GI	6862917	Score	182
Exons	1..241, 319..424		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	10994	Seq. ID	OJ990520_09.9922.C4
Gene No.	23353	Strand	-
Start	1	End	648
Name	OJ990520_09.9922.C4.o1.gs	Method	GENSCAN
Start	81	End	564
GI	none	Score	.73
Exons	81..241, 319..394, 529..564		

Seq. No.	10994	Seq. ID	OJ990520_09.9922.C4
Gene No.	23353	Strand	-
Start	1	End	648
Name	OJ990520_09.9922.C4.o1.gp	Method	AAT/GAP
Start	113	End	648
GI	65840_1.R1084	Score	549
Exons	113..241, 319..394, 529..648		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	10994	Seq. ID	OJ990520_09.9922.C4
Gene No.	23354	Strand	-
Start	1876	End	4352
Name	OJ990520_09.9922.C4.o2.gs	Method	GENSCAN
Start	1876	End	4352
GI	none	Score	.67
Exons	1876..1982, 2763..2907, 4302..4352		

Seq. No.	10994	Seq. ID	OJ990520_09.9922.C4
Gene No.	23355	Strand	-
Start	5177	End	7646
Name	OJ990520_09.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	78	End	419
GI	none	Score	140
Exons	78..242, 130..246, 153..260, 309..395, 312..419, 313..411		

Seq. No.	10994	Seq. ID	OJ990520_09.9922.C4
Gene No.	23355	Strand	-
Start	5177	End	7646
Name	OJ990520_09.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	96	End	380
GI	none	Score	107
Exons	96..242, 136..246, 314..376, 318..380		

Seq. No.	10994	Seq. ID	OJ990520_09.9922.C4
Gene No.	23355	Strand	-
Start	5177	End	7646
Name	OJ990520_09.9922.C4.o3.gs	Method	GENSCAN
Start	5177	End	7646
GI	none	Score	.48
Exons	5177..5390, 7453..7646		

Seq. No.	10995	Seq. ID	OJ990520_09.9922.C5
Gene No.	23356	Strand	+
Start	1	End	1388
Name	OJ990520_09.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	1361
GI	6598401	Score	933
Exons	1..1361		
GI Descrip.	(AC003974) putative salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	10995	Seq. ID	OJ990520_09.9922.C5
Gene No.	23356	Strand	+
Start	1	End	1388
Name	OJ990520_09.9922.C5.o1.gs	Method	GENSCAN
Start	77	End	1388
GI	none	Score	.44
Exons	77..796, 937..1388		

Seq. No.	10995	Seq. ID	OJ990520_09.9922.C5
Gene No.	23357	Strand	-
Start	1869	End	3159
Name	OJ990520_09.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	139	End	1361
GI	none	Score	117
Exons	139..450, 256..657, 358..762, 568..801, 670..834, 876..1100, 896..1315, 897..1316, 1002..1361		

Seq. No.	10995	Seq. ID	OJ990520_09.9922.C5
Gene No.	23357	Strand	-
Start	1869	End	3159
Name	OJ990520_09.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	142	End	1337
GI	none	Score	187
Exons	142..657, 148..795, 172..819, 328..834, 471..497, 475..834, 492..710, 555..701, 613..834, 746..787, 876..1238, 879..1106, 879..1313, 879..1337, 881..1102, 882..1337, 990..1337		

Seq. No.	10995	Seq. ID	OJ990520_09.9922.C5
Gene No.	23357	Strand	-
Start	1869	End	3159
Name	OJ990520_09.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	154	End	1379
GI	none	Score	130
Exons	154..486, 160..315, 262..408, 325..657, 430..765, 513..641, 547..834, 577..738, 876..1100, 876..998, 879..1208, 887..1105, 903..1103, 912..1058, 984..1334, 1017..1172, 1067..1318, 1077..1379, 1119..1277		

Seq. No.	10995	Seq. ID	OJ990520_09.9922.C5
Gene No.	23357	Strand	-
Start	1869	End	3159
Name	OJ990520_09.9922.C5.o2.gs	Method	GENSCAN
Start	1869	End	2922
GI	none	Score	.8
Exons	1869..1967, 2076..2150, 2581..2634, 2720..2758, 2869..2922		

Seq. No.	10995	Seq. ID	OJ990520_09.9922.C5
Gene No.	23357	Strand	-
Start	1869	End	3159
Name	OJ990520_09.9922.C5.o1.gp	Method	AAT/GAP
Start	2563	End	3159
GI	none	Score	687
Exons	2563..2634, 2720..2758, 2869..3159		

Seq. No.	10996	Seq. ID	OJ990520_09.9922.C6
Gene No.	23358	Strand	+
Start	546	End	1444
Name	OJ990520_09.9922.C6.o1.gs	Method	GENSCAN
Start	546	End	1444
GI	none	Score	.45
Exons	546..667, 1032..1056, 1399..1444		

Seq. No.	10996	Seq. ID	OJ990520_09.9922.C6
Gene No.	23359	Strand	-
Start	161	End	220
Name	OJ990520_09.9922.C6.o1.gp	Method	AAT/GAP
Start	161	End	220
GI	2312838	Score	64
Exons	161..220		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	10996	Seq. ID	OJ990520_09.9922.C6
Gene No.	23360	Strand	-
Start	2827	End	3194
Name	OJ990520_09.9922.C6.o2.gs	Method	GENSCAN
Start	2827	End	3144
GI	none	Score	.77
Exons	2827..2902, 2996..3144		

Seq. No.	10996	Seq. ID	OJ990520_09.9922.C6
Gene No.	23360	Strand	-
Start	2827	End	3194
Name	OJ990520_09.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	2833	End	3075
GI	none	Score	80
Exons	2833..3075, 2837..2935		

Seq. No.	10996	Seq. ID	OJ990520_09.9922.C6
Gene No.	23360	Strand	-
Start	2827	End	3194
Name	OJ990520_09.9922.C6.o1.np	Method	AAT/NAP
Start	2836	End	3194
GI	2827533	Score	173
Exons	2836..3194		

GI Descrip. (AL021633) hypothetical protein [Arabidopsis thaliana]

Seq. No.	10996	Seq. ID	OJ990520_09.9922.C6
Gene No.	23360	Strand	-
Start	2827	End	3194
Name	OJ990520_09.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	2836	End	3132
GI	none	Score	42
Exons	2836..2931, 2947..3075, 3091..3132		

Seq. No.	10996	Seq. ID	OJ990520_09.9922.C6
Gene No.	23360	Strand	-
Start	2827	End	3194
Name	OJ990520_09.9922.C6.o4.gp	Method	AAT/GAP
Start	2845	End	2937
GI	5005293	Score	132
Exons	2845..2937		

Seq. No.	10996	Seq. ID	OJ990520_09.9922.C6
Gene No.	23360	Strand	-
Start	2827	End	3194
Name	OJ990520_09.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	2866	End	3141
GI	none	Score	134
Exons	2866..3102, 2867..2962, 3032..3073, 3074..3139, 3112..3141		

Seq. No.	10997	Seq. ID	OJ990520_09.9922.C7
Gene No.	23361	Strand	
Start	201	End	480
Name	OJ990520_09.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	201	End	480
GI	none	Score	86
Exons	201..473, 285..470, 328..480		

Seq. No.	10997	Seq. ID	OJ990520_09.9922.C7
Gene No.	23362	Strand	
Start	420	End	599
Name	OJ990520_09.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	420	End	599
GI	none	Score	86
Exons	420..599, 424..576		

Seq. No.	10998	Seq. ID	OJ990520_09.9922.C8
Gene No.	23363	Strand	+
Start	1	End	685
Name	OJ990520_09.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	685
GI	3738288	Score	486
Exons	1..685		

GI Descrip. (AC005309) putative auxin-responsive protein [Arabidopsis thaliana]

Seq. No.	10998	Seq. ID	OJ990520_09.9922.C8
Gene No.	23363	Strand	+
Start	1	End	685
Name	OJ990520_09.9922.C8.o1.gs	Method	GENSCAN
Start	84	End	641

GI	none	Score	.79
Exons	84..91, 215..641		
Seq. No.	10998	Seq. ID	OJ990520_09.9922.C8
Gene No.	23364	Strand	-
Start	598	End	685
Name	OJ990520_09.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	197	End	683
GI	none	Score	259
Exons	197..454, 204..464, 207..464,	250..465,	573..683
Seq. No.	10998	Seq. ID	OJ990520_09.9922.C8
Gene No.	23364	Strand	-
Start	598	End	685
Name	OJ990520_09.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	203	End	685
GI	none	Score	297
Exons	203..454, 204..458, 504..683,	557..685	
Seq. No.	10998	Seq. ID	OJ990520_09.9922.C8
Gene No.	23364	Strand	-
Start	598	End	685
Name	OJ990520_09.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	204	End	685
GI	none	Score	282
Exons	204..458, 207..341, 218..358,	398..454,	486..683, 569..685
Seq. No.	10998	Seq. ID	OJ990520_09.9922.C8
Gene No.	23364	Strand	-
Start	598	End	685
Name	OJ990520_09.9922.C8.o1.gp	Method	AAT/GAP
Start	598	End	685
GI	uC-osrocyp009h04a1	Score	149
Exons	598..685		
GI Descrip.	'3738288 3.0e-11 (AC005309) auxin-responsive GH3-like protein [Arabidopsis thaliana]'		
Seq. No.	10999	Seq. ID	OJ990520_09.9922.C9
Gene No.	23365	Strand	+
Start	380	End	389
Name	OJ990520_09.9922.C9.o1.gs	Method	GENSCAN
Start	380	End	389
GI	none	Score	.55
Exons	380..389		
Seq. No.	10999	Seq. ID	OJ990520_09.9922.C9
Gene No.	23366	Strand	-
Start	1	End	291
Name	OJ990520_09.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	291
GI	3193293	Score	46
Exons	1..71, 183..291		
GI Descrip.	(AF069298) contains a short region of similarity to another Arabidopsis hypothetical protein F19K23.8 (GB:AC000375) [Arabidopsis thaliana]		
Seq. No.	11000	Seq. ID	OJ990520_09.9922.C10

Gene No.	23367	Strand	+
Start	1	End	782
Name	OJ990520_09.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	782
GI	3738288	Score	92
Exons	1..62, 183..304, 756..782		
GI Descrip.	(AC005309) putative auxin-responsive protein [Arabidopsis thaliana]		

Seq. No.	11000	Seq. ID	OJ990520_09.9922.C10
Gene No.	23367	Strand	+
Start	1	End	782
Name	OJ990520_09.9922.C10.o1.gs	Method	GENSCAN
Start	203	End	304
GI	none	Score	.64
Exons	203..304		

Seq. No.	11001	Seq. ID	OJ990520_09.9922.C11
Gene No.	23368	Strand	-
Start	1	End	477
Name	OJ990520_09.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	365
GI	3738288	Score	327
Exons	1..365		
GI Descrip.	(AC005309) putative auxin-responsive protein [Arabidopsis thaliana]		

Seq. No.	11001	Seq. ID	OJ990520_09.9922.C11
Gene No.	23368	Strand	-
Start	1	End	477
Name	OJ990520_09.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	2	End	358
GI	none	Score	136
Exons	2..58, 103..357, 107..358		

Seq. No.	11001	Seq. ID	OJ990520_09.9922.C11
Gene No.	23368	Strand	-
Start	1	End	477
Name	OJ990520_09.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	5	End	357
GI	none	Score	58
Exons	5..85, 79..357, 98..163, 203..343, 220..354		

Seq. No.	11001	Seq. ID	OJ990520_09.9922.C11
Gene No.	23368	Strand	-
Start	1	End	477
Name	OJ990520_09.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	100	End	364
GI	none	Score	144
Exons	100..354, 103..357, 107..364		

Seq. No.	11001	Seq. ID	OJ990520_09.9922.C11
Gene No.	23368	Strand	-
Start	1	End	477
Name	OJ990520_09.9922.C11.o1.gs	Method	GENSCAN
Start	199	End	477
GI	none	Score	.82

Exons	199..346, 470..477		
Seq. No.	11002	Seq. ID	OJ990520_09.9922.C12
Gene No.	23369	Strand	-
Start	1	End	156
Name	OJ990520_09.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	153
GI	6056415	Score	155
Exons	1..153		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		
Seq. No.	11002	Seq. ID	OJ990520_09.9922.C12
Gene No.	23369	Strand	-
Start	1	End	156
Name	OJ990520_09.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	14	End	156
GI	none	Score	118
Exons	14..145, 16..156		
Seq. No.	11003	Seq. ID	OJ990520_09.9922.C13
Gene No.	23370	Strand	+
Start	614	End	696
Name	OJ990520_09.9922.C13.o1.gs	Method	GENSCAN
Start	614	End	696
GI	none	Score	.54
Exons	614..696		
Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23371	Strand	+
Start	339	End	788
Name	OJ990520_09.9922.C15.o1.gs	Method	GENSCAN
Start	339	End	788
GI	none	Score	.92
Exons	339..788		
Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o1.gp	Method	AAT/GAP
Start	1737	End	3158
GI	29645_1.R1084	Score	1150
Exons	1737..1976, 2278..2382, 2664..2723, 2831..2969, 3056..3158		
GI Descrip.	'3193292 3.0e-57 (AF069298) similar to ATPases associated with various cellular activites (Pfam: AAA.hmm, score: 230.91) [Arabidopsis thaliana]'		
Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	1807	End	6404
GI	none	Score	118
Exons	1807..1977, 1855..1947, 1863..1976, 2275..2385, 2662..2724, 2662..2724, 2664..2726, 2830..2970, 2831..2971, 2832..2972, 3053..3208, 3056..3241, 3073..3240, 3588..3677, 3589..3675, 3756..3881, 3757..3882, 3772..3912, 4414..4593, 4415..4594, 4428..4595, 4429..4599, 5582..5617, 5614..5703, 5627..5677,		

5778..5861, 5780..5866, 6333..6404

Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	1852	End	3651
GI	none	Score	133
Exons	1852..1977, 1863..1976, 2275..2385, 2276..2383, 2662..2730, 2664..2726, 2831..2971, 2832..2972, 3056..3241, 3058..3258, 3073..3240, 3588..3650, 3589..3651		

Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	1863	End	5839
GI	none	Score	113
Exons	1863..1976, 1864..1977, 2275..2385, 2276..2383, 2278..2385, 2659..2724, 2664..2726, 2830..2967, 2831..2971, 2832..2972, 2839..2982, 3053..3202, 3056..3241, 3069..3242, 3070..3243, 3073..3240, 3584..3658, 3588..3677, 3588..3677, 3589..3711, 3756..3881, 3760..3879, 3765..3881, 3772..3906, 4391..4522, 4414..4593, 4418..4594, 4429..4599, 4531..4620, 5614..5703, 5780..5839		

Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o2.np	Method	AAT/NAP
Start	1866	End	10539
GI	6056413	Score	1478
Exons	1866..1976, 2278..2382, 2664..2723, 2831..2969, 3056..3240, 3591..3674, 3756..3878, 4414..4593, 4970..5098, 5598..5700, 6184..6252, 6333..6503, 6579..6674, 6775..6933, 7705..7825, 7858..7971, 8491..8649, 8717..8856, 9620..9830, 9864..10342, 10425..10539		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o2.gs	Method	GENSCAN
Start	2117	End	10323
GI	none	Score	.9
Exons	2117..2245, 2278..2382, 2831..2969, 3056..3240, 3591..3674, 3756..3878, 4414..4593, 4795..4870, 4971..5070, 5170..5248, 5611..5679, 5780..5881, 6333..6503, 6579..6649, 6793..6941, 7652..7802, 7935..7977, 8491..8582, 8735..8856, 9620..9791, 10146..10323		

Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	2275	End	3240
GI	none	Score	84

Exons	2275..2382, 2662..2724, 2665..2724, 2667..2726, 2824..2970, 2831..2971, 2832..2972, 3054..3206, 3056..3238, 3073..3240		
Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o2.tw	Method	TBLASTX:Wheat
Start	3633	End	6458
GI	none	Score	68
Exons	3633..3677, 3634..3675, 3634..3681, 3756..3881, 3757..3882, 3772..3921, 3773..3907, 4414..4593, 4415..4594, 4415..4594, 4429..4596, 4828..4872, 4976..5086, 5171..5197, 5210..5248, 5611..5703, 5627..5677, 5778..5858, 5780..5869, 6363..6458		
Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o2.tc	Method	TBLASTX:Cress
Start	3654	End	4599
GI	none	Score	148
Exons	3654..3677, 3756..3881, 3757..3882, 4414..4593, 4415..4594, 4429..4599		
Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o4.np	Method	AAT/NAP
Start	4983	End	10539
GI	6056413	Score	252
Exons	4983..5098, 5598..5700, 6184..6252, 6333..6503, 6579..6674, 6775..6933, 7705..7825, 7858..7971, 8491..8649, 8717..8856, 9620..9830, 9864..10342, 10425..10539		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		
Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o5.np	Method	AAT/NAP
Start	5359	End	10539
GI	6056413	Score	250
Exons	5359..5391, 5611..5700, 6184..6252, 6333..6503, 6579..6674, 6775..6933, 7705..7825, 7858..7971, 8491..8649, 8717..8856, 9620..9830, 9864..10342, 10425..10539		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		
Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o2.gp	Method	AAT/GAP
Start	5652	End	6371
GI	3107474	Score	401
Exons	5652..5699, 5778..5881, 6184..6252, 6333..6371		
Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o3.np	Method	AAT/NAP

Start	5991	End	9902
GI	4678265	Score	167
Exons	5991..6141, 6321..6578, 6793..6958, 9864..9902		
GI Descrip.	(AL049657) putative protein [Arabidopsis thaliana]		

Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o2.ts	Method	TBLASTX:Soybean
Start	6333	End	6947
GI	none	Score	103
Exons	6333..6425, 6426..6506, 6796..6933, 6796..6930, 6797..6943, 6798..6947		

Seq. No.	11004	Seq. ID	OJ990520_09.9922.C15
Gene No.	23372	Strand	-
Start	2117	End	10539
Name	OJ990520_09.9922.C15.o2.tm	Method	TBLASTX:Maize
Start	6405	End	9684
GI	none	Score	123
Exons	6405..6506, 6406..6504, 6579..6650, 6579..6662, 6580..6663, 6590..6667, 6767..6943, 6768..6944, 6778..6954, 7652..7714, 7653..7709, 7654..7713, 8491..8577, 8494..8583, 8498..8584, 8498..8584, 8724..8864, 8725..8862, 9622..9684, 9624..9668		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23373	Strand	+
Start	634	End	3795
Name	OJ990520_09.9922.C16.o1.gs	Method	GENSCAN
Start	634	End	3795
GI	none	Score	.6
Exons	634..1261, 1973..2151, 2258..2535, 2948..3065, 3222..3389, 3761..3795		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23374	Strand	+
Start	7717	End	8097
Name	OJ990520_09.9922.C16.o1.gp	Method	AAT/GAP
Start	7717	End	8097
GI	1631848	Score	646
Exons	7717..8097		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23375	Strand	+
Start	23405	End	23737
Name	OJ990520_09.9922.C16.o5.gs	Method	GENSCAN
Start	23405	End	23737
GI	none	Score	.79
Exons	23405..23737		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23376	Strand	-
Start	4740	End	8819
Name	OJ990520_09.9922.C16.o2.gs	Method	GENSCAN
Start	4740	End	8819
GI	none	Score	.6
Exons	4740..4841, 6549..6610, 7440..7564, 7715..8103, 8133..8197,		

8246..8435, 8447..8543, 8581..8819

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23377	Strand	-
Start	9519	End	13004
Name	OJ990520_09.9922.C16.o3.gs	Method	GENSCAN
Start	9519	End	13004
GI	none	Score	.4
Exons	9519..9693, 10801..10938, 11826..11961, 12027..12735, 12897..13004		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o2.gp	Method	AAT/GAP
Start	13319	End	15633
GI	4288_1.R1084	Score	2191
Exons	13319..14082, 15117..15359, 15479..15633		
GI Descrip.	'5802955/gb|AAD51854.1|AF178990_1 2.0e-55 (AF178990) stress related protein [Vitis riparia]'		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o4.gs	Method	GENSCAN
Start	13583	End	22563
GI	none	Score	.85
Exons	13583..14083, 15117..15359, 17963..18182, 18214..18288, 18470..18573, 18672..18749, 19010..19093, 20103..20157, 20377..20473, 20949..21018, 21284..21387, 21484..21627, 22551..22563		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o2.tc	Method	TBLASTX:Cress
Start	13634	End	13870
GI	none	Score	114
Exons	13634..13870, 13638..13847		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o3.ts	Method	TBLASTX:Soybean
Start	13637	End	15315
GI	none	Score	155
Exons	13637..13870, 13638..13847, 15084..15308, 15112..15222, 15268..15315		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o2.tm	Method	TBLASTX:Maize
Start	13639	End	15315
GI	none	Score	80
Exons	13639..13683, 13640..14086, 13644..14048, 13784..14086, 15112..15315, 15114..15308		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o3.tc	Method	TBLASTX:Cress
Start	15091	End	15312
GI	none	Score	86
Exons	15091..15312, 15114..15308		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o3.gp	Method	AAT/GAP
Start	16683	End	16926
GI	5456481	Score	446
Exons	16683..16926		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o1.np	Method	AAT/NAP
Start	16947	End	21550
GI	6729000	Score	1251
Exons	16947..17020, 17963..18120, 18214..18388, 18470..18573, 18672..18749, 19010..19093, 20103..20157, 20377..20473, 20949..21018, 21101..21199, 21284..21387, 21484..21550		
GI Descrip.	(AC016827) putative arginine methyltransferase [Arabidopsis thaliana]		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	17953	End	21149
GI	none	Score	100
Exons	17953..18123, 18029..18121, 18029..18127, 18211..18351, 18214..18351, 18215..18352, 18216..18353, 18349..18402, 18355..18399, 18430..18576, 18449..18574, 18463..18588, 18667..18726, 18670..18735, 18672..18734, 18717..18752, 18724..18753, 19010..19105, 19011..19094, 19012..19095, 20091..20159, 20096..20161, 20103..20162, 20376..20474, 20376..20477, 20377..20475, 20932..21018, 20940..21020, 20947..21030, 21098..21148, 21099..21149		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o4.gp	Method	AAT/GAP
Start	18214	End	21308
GI	11419_1.R1084	Score	1418
Exons	18214..18388, 18470..18573, 18672..18749, 19010..19093, 20103..20157, 20377..20473, 20949..21018, 21101..21199, 21284..21308		
GI Descrip.	'5257221/gb|AAD41265.1| 2.0e-72 (AF117887) protein arginine methyltransferase [Mus musculus]'		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16

Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o2.ts	Method	TBLASTX:Soybean
Start	18231	End	18570
GI	none	Score	122
Exons	18231..18353, 18231..18338, 18233..18352, 18349..18402, 18449..18550, 18449..18556, 18463..18570		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	20112	End	22436
GI	none	Score	119
Exons	20112..20159, 20376..20477, 20377..20475, 20945..21013, 20947..21018, 20950..21015, 21098..21202, 21099..21203, 21121..21213, 21124..21213, 21284..21382, 21284..21388, 21288..21389, 21464..21598, 21476..21613, 21483..21614, 22359..22436		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	20947	End	21547
GI	none	Score	43
Exons	20947..21048, 21125..21202, 21153..21203, 21284..21382, 21303..21350, 21476..21547		

Seq. No.	11005	Seq. ID	OJ990520_09.9922.C16
Gene No.	23378	Strand	-
Start	13319	End	23700
Name	OJ990520_09.9922.C16.o3.tm	Method	TBLASTX:Maize
Start	21152	End	23700
GI	none	Score	88
Exons	21152..21202, 21154..21201, 21154..21213, 21284..21388, 21288..21389, 21476..21631, 21477..21632, 22281..22445, 22333..22443, 23254..23340, 23266..23343, 23494..23547, 23494..23547, 23557..23616, 23558..23617, 23620..23700, 23662..23700		

Seq. No.	11006	Seq. ID	OJ990520_09.9922.C17
Gene No.	23379	Strand	+
Start	1048	End	2019
Name	OJ990520_09.9922.C17.o1.gp	Method	AAT/GAP
Start	1048	End	1574
GI	uC-osflm202113b07b1	Score	1022
Exons	1048..1574		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	11006	Seq. ID	OJ990520_09.9922.C17
Gene No.	23379	Strand	+
Start	1048	End	2019
Name	OJ990520_09.9922.C17.o1.gs	Method	GENSCAN
Start	1420	End	1709
GI	none	Score	.64

Exons	1420..1709		
Seq. No.	11006	Seq. ID	OJ990520_09.9922.C17
Gene No.	23379	Strand	+
Start	1048	End	2019
Name	OJ990520_09.9922.C17.o1.np	Method	AAT/NAP
Start	1420	End	2019
GI	3738288	Score	195
Exons	1420..1704, 1979..2019		
GI Descrip.	(AC005309) putative auxin-responsive protein [Arabidopsis thaliana]		
Seq. No.	11006	Seq. ID	OJ990520_09.9922.C17
Gene No.	23379	Strand	+
Start	1048	End	2019
Name	OJ990520_09.9922.C17.o1.tc	Method	TBLASTX:Cress
Start	1455	End	1694
GI	none	Score	55
Exons	1455..1574, 1459..1674, 1479..1670, 1632..1694		
Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23380	Strand	+
Start	1	End	3480
Name	OJ990520_09.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	3477
GI	3738288	Score	1531
Exons	1..27, 790..911, 1689..2503, 2912..3477		
GI Descrip.	(AC005309) putative auxin-responsive protein [Arabidopsis thaliana]		
Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23380	Strand	+
Start	1	End	3480
Name	OJ990520_09.9922.C18.o1.gs	Method	GENSCAN
Start	810	End	3480
GI	none	Score	.74
Exons	810..911, 1339..1454, 1575..1688, 1700..2503, 2912..3480		
Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23381	Strand	+
Start	7948	End	9238
Name	OJ990520_09.9922.C18.o3.gs	Method	GENSCAN
Start	7948	End	9238
GI	none	Score	.44
Exons	7948..8023, 8868..9238		
Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23382	Strand	-
Start	3305	End	3737
Name	OJ990520_09.9922.C18.o1.gp	Method	AAT/GAP
Start	3305	End	3737
GI	uC-osrocyp009h04a1	Score	826
Exons	3305..3737		
GI Descrip.	'3738288 3.0e-11 (AC005309) auxin-responsive GH3-like protein [Arabidopsis thaliana]'		
Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18

Gene No.	23383	Strand	-
Start	9771	End	10045
Name	OJ990520_09.9922.C18.o2.ts	Method	TBLASTX:Soybean
Start	841	End	1851
GI	none	Score	87
Exons	841..912, 1663..1851, 1689..1850		

Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23383	Strand	-
Start	9771	End	10045
Name	OJ990520_09.9922.C18.o2.tm	Method	TBLASTX:Maize
Start	1714	End	2088
GI	none	Score	244
Exons	1714..1947, 1725..1946, 1780..1956, 1942..2088, 1944..2072		

Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23383	Strand	-
Start	9771	End	10045
Name	OJ990520_09.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	1853	End	3465
GI	none	Score	81
Exons	1853..2017, 1855..2076, 1857..2060, 2066..2104, 2131..2385, 2146..2379, 2151..2384, 2431..2505, 2910..3161, 2911..3165, 3205..3465, 3282..3464		

Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23383	Strand	-
Start	9771	End	10045
Name	OJ990520_09.9922.C18.o1.tc	Method	TBLASTX:Cress
Start	1863	End	3465
GI	none	Score	191
Exons	1863..2057, 1864..2031, 2035..2133, 2037..2114, 2143..2253, 2146..2244, 2242..2385, 2250..2384, 2404..2511, 2911..3165, 2914..3048, 2925..3065, 3105..3161, 3193..3465, 3276..3464		

Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23383	Strand	-
Start	9771	End	10045
Name	OJ990520_09.9922.C18.o3.tm	Method	TBLASTX:Maize
Start	2134	End	2505
GI	none	Score	110
Exons	2134..2250, 2251..2391, 2301..2390, 2443..2505		

Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23383	Strand	-
Start	9771	End	10045
Name	OJ990520_09.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	2164	End	2505
GI	none	Score	101
Exons	2164..2253, 2169..2255, 2247..2384, 2248..2388, 2440..2505		

Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23383	Strand	-
Start	9771	End	10045
Name	OJ990520_09.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	2980	End	3465
GI	none	Score	170

Exons	2980..3165, 2988..3161, 3104..3166, 3181..3279, 3283..3465, 3283..3450, 3285..3464		
Seq. No.	11007	Seq. ID	OJ990520_09.9922.C18
Gene No.	23383	Strand	-
Start	9771	End	10045
Name	OJ990520_09.9922.C18.o4.gs	Method	GENSCAN
Start	9771	End	10045
GI	none	Score	.83
Exons	9771..9910, 9985..10045		
Seq. No.	11008	Seq. ID	OJ990520_09.9922.C19
Gene No.	23384	Strand	-
Start	1	End	546
Name	OJ990520_09.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	546
GI	6862917	Score	189
Exons	1..203, 236..363, 441..546		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	11008	Seq. ID	OJ990520_09.9922.C19
Gene No.	23384	Strand	-
Start	1	End	546
Name	OJ990520_09.9922.C19.o1.gp	Method	AAT/GAP
Start	1	End	174
GI	none	Score	296
Exons	1..174		
Seq. No.	11008	Seq. ID	OJ990520_09.9922.C19
Gene No.	23384	Strand	-
Start	1	End	546
Name	OJ990520_09.9922.C19.o1.gs	Method	GENSCAN
Start	14	End	516
GI	none	Score	1
Exons	14..363, 441..516		
Seq. No.	11008	Seq. ID	OJ990520_09.9922.C19
Gene No.	23384	Strand	-
Start	1	End	546
Name	OJ990520_09.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	200	End	533
GI	none	Score	146
Exons	200..364, 246..368, 275..382, 333..383, 431..517, 434..532, 435..533		
Seq. No.	11008	Seq. ID	OJ990520_09.9922.C19
Gene No.	23384	Strand	-
Start	1	End	546
Name	OJ990520_09.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	218	End	539
GI	none	Score	110
Exons	218..364, 246..368, 436..519, 440..502, 444..539		
Seq. No.	11008	Seq. ID	OJ990520_09.9922.C19
Gene No.	23384	Strand	-
Start	1	End	546
Name	OJ990520_09.9922.C19.o2.gp	Method	AAT/GAP

Start	235	End	516
GI	65840_1.R1084	Score	306
Exons	235..363, 441..516		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	11009	Seq. ID	OJ990520_09.9922.C20
Gene No.	23385	Strand	+
Start	16	End	1082
Name	OJ990520_09.9922.C20.o1.gp	Method	AAT/GAP
Start	16	End	1082
GI	14892_1.R1084	Score	633
Exons	16..54, 234..353, 449..516, 829..934, 1043..1082		
GI Descrip.	'3881976/emb|CAA10008| 1.0e-101 (AJ012409) hypothetical protein [Homo sapiens]'		

Seq. No.	11009	Seq. ID	OJ990520_09.9922.C20
Gene No.	23385	Strand	+
Start	16	End	1082
Name	OJ990520_09.9922.C20.o1.gs	Method	GENSCAN
Start	52	End	934
GI	none	Score	.83
Exons	52..54, 240..353, 449..516, 829..934		

Seq. No.	11009	Seq. ID	OJ990520_09.9922.C20
Gene No.	23385	Strand	+
Start	16	End	1082
Name	OJ990520_09.9922.C20.o1.np	Method	AAT/NAP
Start	231	End	1082
GI	3880592	Score	219
Exons	231..353, 449..516, 829..934, 1043..1082		
GI Descrip.	(Z82077) cDNA EST EMBL:D72613 comes from this gene; cDNA EST EMBL:D75538 comes from this gene; cDNA EST EMBL:D74123 comes from this gene; cDNA EST yk289c10.5 comes from this gene; cDNA EST yk433e8.3 comes from this gene; cDNA... gi|3881271|emb|CAA21705.1| (AL032650) cDNA EST EMBL:D72613 comes from this gene; cDNA EST EMBL:D75538 comes from this gene; cDNA EST EMBL:D7412		

Seq. No.	11009	Seq. ID	OJ990520_09.9922.C20
Gene No.	23385	Strand	+
Start	16	End	1082
Name	OJ990520_09.9922.C20.o1.tm	Method	TBLASTX:Maize
Start	232	End	1082
GI	none	Score	132
Exons	232..273, 234..356, 394..516, 449..517, 463..531, 826..876, 827..874, 831..884, 861..935, 865..936, 869..952, 870..938, 1041..1082, 1043..1081		

Seq. No.	11010	Seq. ID	OJ990520_09.9922.C21
Gene No.	23386	Strand	-
Start	1	End	885
Name	OJ990520_09.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	885
GI	6056415	Score	280
Exons	1..327, 773..885		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	11010	Seq. ID	OJ990520_09.9922.C21
Gene No.	23386	Strand	-
Start	1	End	885
Name	OJ990520_09.9922.C21.o1.gs	Method	GENSCAN
Start	76	End	447
GI	none	Score	.85
Exons	76..327, 362..447		

Seq. No.	11010	Seq. ID	OJ990520_09.9922.C21
Gene No.	23386	Strand	-
Start	1	End	885
Name	OJ990520_09.9922.C21.o1.tc	Method	TBLASTX:Cress
Start	76	End	870
GI	none	Score	118
Exons	76..183, 188..319, 190..330, 793..870		

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23387	Strand	+
Start	1796	End	4351
Name	OJ990520_09.9922.C23.o1.gs	Method	GENSCAN
Start	1796	End	3945
GI	none	Score	.65
Exons	1796..2042, 2375..2555, 3502..3882, 3913..3945		

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23387	Strand	+
Start	1796	End	4351
Name	OJ990520_09.9922.C23.o1.gp	Method	AAT/GAP
Start	3673	End	4264
GI	none	Score	616
Exons	3673..3882, 4034..4111, 4209..4264		

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23387	Strand	+
Start	1796	End	4351
Name	OJ990520_09.9922.C23.o2.gp	Method	AAT/GAP
Start	3773	End	4351
GI	none	Score	563
Exons	3773..3882, 4034..4111, 4209..4351		

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23388	Strand	-
Start	5382	End	7804
Name	OJ990520_09.9922.C23.o2.tm	Method	TBLASTX:Maize
Start	3754	End	4363
GI	none	Score	207
Exons	3754..3882, 3783..3884, 4032..4097, 4032..4103, 4033..4173, 4034..4111, 4206..4352, 4207..4350, 4208..4363, 4208..4351		

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23388	Strand	-
Start	5382	End	7804
Name	OJ990520_09.9922.C23.o3.tm	Method	TBLASTX:Maize
Start	4767	End	5495
GI	none	Score	94
Exons	4767..4850, 4768..4848, 4779..4850, 4927..5043, 4936..5037,		

4938..5042, 5227..5319, 5233..5313, 5408..5491, 5409..5495, 5409..5492

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23388	Strand	-
Start	5382	End	7804
Name	OJ990520_09.9922.C23.o2.gs	Method	GENSCAN
Start	5382	End	7478
GI	none	Score	.71
Exons	5382..5466, 6432..6495, 6583..6649, 6916..7151, 7421..7478		

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23388	Strand	-
Start	5382	End	7804
Name	OJ990520_09.9922.C23.o3.gp	Method	AAT/GAP
Start	6190	End	7638
GI	14892_1.R1084	Score	1340
Exons	6190..6495, 6583..6634, 6916..7151, 7421..7478, 7568..7638		
GI Descrip.	'3881976/emb|CAA10008| 1.0e-101 (AJ012409) hypothetical protein [Homo sapiens]'		

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23388	Strand	-
Start	5382	End	7804
Name	OJ990520_09.9922.C23.o1.tm	Method	TBLASTX:Maize
Start	6398	End	7638
GI	none	Score	106
Exons	6398..6496, 6414..6497, 6578..6637, 6582..6635, 6583..6639, 6912..7064, 6913..7149, 6914..7150, 7416..7481, 7417..7479, 7563..7637, 7565..7636, 7566..7637, 7567..7638		

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23388	Strand	-
Start	5382	End	7804
Name	OJ990520_09.9922.C23.o1.ts	Method	TBLASTX:Soybean
Start	6420	End	7128
GI	4303345	Score	106
Exons	6420..6497, 6422..6496, 6578..6637, 6579..6635, 6581..6652, 6913..7128, 6914..7123		
GI Descrip.	3462349 3.0e-45 (U56257) intronic protein 259 [Drosophila melanogaster]		

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23388	Strand	-
Start	5382	End	7804
Name	OJ990520_09.9922.C23.o1.tc	Method	TBLASTX:Cress
Start	6428	End	7639
GI	none	Score	77
Exons	6428..6496, 6428..6496, 6429..6497, 6578..6637, 6582..6635, 6913..7149, 6914..7150, 7416..7481, 7417..7479, 7565..7636, 7566..7637, 7566..7637, 7568..7639		

Seq. No.	11011	Seq. ID	OJ990520_09.9922.C23
Gene No.	23388	Strand	-
Start	5382	End	7804
Name	OJ990520_09.9922.C23.o1.np	Method	AAT/NAP
Start	6431	End	7804

GI	3881976	Score	534
Exons	6431..6495, 6583..6634, 6916..7151, 7421..7478, 7568..7636, 7745..7804		
GI Descrip.	(AJ012409) hypothetical protein [Homo sapiens]		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23389	Strand	+
Start	4980	End	6771
Name	OJ990520_09.9922.C24.o2.gs	Method	GENSCAN
Start	4980	End	6771
GI	none	Score	.81
Exons	4980..5140, 5541..5699, 6636..6771		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23390	Strand	-
Start	367	End	4739
Name	OJ990520_09.9922.C24.o1.gs	Method	GENSCAN
Start	367	End	4739
GI	none	Score	.94
Exons	367..481, 1922..1980, 2089..2226, 2445..2696, 2731..2816, 4574..4739		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23390	Strand	-
Start	367	End	4739
Name	OJ990520_09.9922.C24.o1.gp	Method	AAT/GAP
Start	1366	End	1540
GI	2800966	Score	307
Exons	1366..1540		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23390	Strand	-
Start	367	End	4739
Name	OJ990520_09.9922.C24.o1.np	Method	AAT/NAP
Start	1655	End	4739
GI	6056415	Score	868
Exons	1655..1757, 1922..1980, 2089..2226, 2445..2696, 3144..3388, 4574..4739		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o1.tc	Method	TBLASTX:Cress
Start	1655	End	3381
GI	none	Score	151
Exons	1655..1759, 1930..1977, 2089..2226, 2093..2227, 2445..2552, 2557..2688, 2559..2699, 3144..3242, 3145..3237, 3240..3380, 3250..3381		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o2.tw	Method	TBLASTX:Wheat
Start	1655	End	2136
GI	none	Score	168
Exons	1655..1759, 1659..1760, 1922..1993, 1924..1983, 2071..2136,		

2088..2132, 2090..2134

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o2.ts	Method	TBLASTX:Soybean
Start	1950	End	2513
GI	none	Score	37
Exons	1950..1982, 2089..2226, 2093..2227, 2445..2513		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o1.ts	Method	TBLASTX:Soybean
Start	3143	End	4739
GI	none	Score	218
Exons	3143..3280, 3144..3389, 3145..3390, 3344..3403, 4578..4616, 4623..4739		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o3.gs	Method	GENSCAN
Start	7807	End	16398
GI	none	Score	.57
Exons	7807..7935, 8554..8669, 9099..9160, 11991..12134, 12540..12780, 12864..13598, 13687..13890, 13964..14645, 14740..14996, 15072..15766, 16305..16398		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o2.np	Method	AAT/NAP
Start	10397	End	16403
GI	5852176	Score	2917
Exons	10397..10417, 12011..12134, 12493..12517, 12615..12780, 13072..13372, 13427..13598, 13687..13890, 14775..14996, 15072..15602, 16257..16403		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o2.tm	Method	TBLASTX:Maize
Start	12398	End	12574
GI	none	Score	38
Exons	12398..12574, 12401..12427, 12411..12512, 12536..12568		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o1.tw	Method	TBLASTX:Wheat
Start	13357	End	13596
GI	none	Score	106
Exons	13357..13596, 13460..13594		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24

Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	13399	End	13596
GI	none	Score	198
Exons	13399..13596		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o3.ts	Method	TBLASTX:Soybean
Start	13399	End	13611
GI	none	Score	45
Exons	13399..13479, 13484..13513, 13486..13611, 13495..13599		

Seq. No.	11012	Seq. ID	OJ990520_09.9922.C24
Gene No.	23391	Strand	-
Start	7807	End	16403
Name	OJ990520_09.9922.C24.o2.tc	Method	TBLASTX:Cress
Start	13399	End	15699
GI	none	Score	61
Exons	13399..13596, 13454..13594, 13956..14369, 14409..14636, 14467..14634, 14773..15000, 15586..15699		

Seq. No.	11013	Seq. ID	OJ990520_09.9922.C25
Gene No.	23392	Strand	-
Start	411	End	692
Name	OJ990520_09.9922.C25.o1.gs	Method	GENSCAN
Start	411	End	692
GI	none	Score	.78
Exons	411..585, 592..692		

Seq. No.	11014	Seq. ID	OJ990520_09.9922.C26
Gene No.	23393	Strand	
Start	123	End	398
Name	OJ990520_09.9922.C26.o1.tm	Method	TBLASTX:Maize
Start	123	End	398
GI	none	Score	94
Exons	123..206, 124..204, 135..206, 283..354, 292..351, 294..386, 294..353, 345..398, 357..392		

Seq. No.	11015	Seq. ID	OJ990520_09.9922.C27
Gene No.	23394	Strand	-
Start	1	End	544
Name	OJ990520_09.9922.C27.o1.gp	Method	AAT/GAP
Start	1	End	356
GI	14892_1.R1084	Score	284
Exons	1..147, 243..356		
GI Descrip.	'3881976/emb|CAA10008| 1.0e-101 (AJ012409) hypothetical protein [Homo sapiens]'		

Seq. No.	11015	Seq. ID	OJ990520_09.9922.C27
Gene No.	23394	Strand	-
Start	1	End	544
Name	OJ990520_09.9922.C27.o1.np	Method	AAT/NAP
Start	1	End	365
GI	6320973	Score	159

Exons	1..147, 243..365		
GI Descrip.	Yer126cp gi|731511|sp|P40078|YEV6_YEAST HYPOTHETICAL 29.7 KD PROTEIN IN RSP5-LCP5 INTERGENIC REGION gi|539138|pir||S43218 hypothetical protein YER126c - yeast (Saccharomyces cerevisiae) gi|603365 (U18916) Yer126cp [Saccharomyces cerevisiae]		

Seq. No.	11015	Seq. ID	OJ990520_09.9922.C27
Gene No.	23394	Strand	-
Start	1	End	544
Name	OJ990520_09.9922.C27.o1.tm	Method	TBLASTX:Maize
Start	73	End	364
GI	none	Score	73
Exons	73..147, 81..170, 89..202, 240..362, 247..273, 313..363, 323..364		

Seq. No.	11015	Seq. ID	OJ990520_09.9922.C27
Gene No.	23394	Strand	-
Start	1	End	544
Name	OJ990520_09.9922.C27.o1.gs	Method	GENSCAN
Start	110	End	544
GI	none	Score	.48
Exons	110..147, 243..356, 542..544		

Seq. No.	11016	Seq. ID	OJ990520_09.9922.C29
Gene No.	23395	Strand	-
Start	1	End	1083
Name	OJ990520_09.9922.C29.o1.np	Method	AAT/NAP
Start	1	End	1083
GI	6056398	Score	137
Exons	1..37, 135..166, 826..1083		
GI Descrip.	(AC009324) Hypothetical protein [Arabidopsis thaliana] gi|6056402|gb|AAF02866.1|AC009324_15 (AC009324) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11016	Seq. ID	OJ990520_09.9922.C29
Gene No.	23395	Strand	-
Start	1	End	1083
Name	OJ990520_09.9922.C29.o1.ts	Method	TBLASTX:Soybean
Start	820	End	1012
GI	none	Score	122
Exons	820..1002, 827..1012		

Seq. No.	11016	Seq. ID	OJ990520_09.9922.C29
Gene No.	23395	Strand	-
Start	1	End	1083
Name	OJ990520_09.9922.C29.o1.tc	Method	TBLASTX:Cress
Start	826	End	1002
GI	none	Score	93
Exons	826..1002, 848..988		

Seq. No.	11017	Seq. ID	OJ990520_09.9922.C30
Gene No.	23396	Strand	+
Start	157	End	485
Name	OJ990520_09.9922.C30.o1.tm	Method	TBLASTX:Maize
Start	156	End	485
GI	none	Score	179
Exons	156..305, 168..308, 170..307, 381..485, 407..484		

Seq. No.	11017	Seq. ID	OJ990520_09.9922.C30
Gene No.	23396	Strand	+
Start	157	End	485
Name	OJ990520_09.9922.C30.o1.gs	Method	GENSCAN
Start	157	End	295
GI	none	Score	.51
Exons	157..295		

Seq. No.	11018	Seq. ID	OJ990520_09.9922.C32
Gene No.	23397	Strand	+
Start	54	End	165
Name	OJ990520_09.9922.C32.o1.gs	Method	GENSCAN
Start	54	End	165
GI	none	Score	.53
Exons	54..165		

Seq. No.	11019	Seq. ID	OJ990520_09.9922.C35
Gene No.	23398	Strand	+
Start	1	End	582
Name	OJ990520_09.9922.C35.o1.gp	Method	AAT/GAP
Start	1	End	582
GI	29645_1.R1084	Score	506
Exons	1..41, 343..582		
GI Descrip.	'3193292 3.0e-57 (AF069298) similar to ATPases associated with various cellular activites (Pfam: AAA.hmm, score: 230.91) [Arabidopsis thaliana]'		

Seq. No.	11019	Seq. ID	OJ990520_09.9922.C35
Gene No.	23398	Strand	+
Start	1	End	582
Name	OJ990520_09.9922.C35.o1.np	Method	AAT/NAP
Start	1	End	453
GI	3193292	Score	174
Exons	1..41, 343..453		
GI Descrip.	(AF069298) similar to ATPases associated with various cellular activites (Pfam: AAA.hmm, score: 230.91) [Arabidopsis thaliana]		

Seq. No.	11020	Seq. ID	OJ990730_04.9920.C3
Gene No.	23399	Strand	+
Start	51	End	925
Name	OJ990730_04.9920.C3.o1.gs	Method	GENSCAN
Start	51	End	925
GI	none	Score	.64
Exons	51..588, 674..925		

Seq. No.	11021	Seq. ID	OJ990730_04.9920.C4
Gene No.	23400	Strand	-
Start	1	End	555
Name	OJ990730_04.9920.C4.o1.np	Method	AAT/NAP
Start	1	End	555
GI	3702368	Score	88
Exons	1..73, 508..555		
GI Descrip.	(AJ001855) alpha subunit of F-actin capping protein [Arabidopsis thaliana]		

Seq. No.	11022	Seq. ID	OJ990730_04.9920.C7

Gene No.	23401	Strand	+
Start	682	End	1056
Name	OJ990730_04.9920.C7.o1.gs	Method	GENSCAN
Start	682	End	1056
GI	none	Score	.48
Exons	682..1056		

Seq. No.	11022	Seq. ID	OJ990730_04.9920.C7
Gene No.	23402	Strand	+
Start	2199	End	8950
Name	OJ990730_04.9920.C7.o2.gs	Method	GENSCAN
Start	2199	End	8950
GI	none	Score	.85
Exons	2199..2375, 2429..2511, 2620..2767, 3496..3637, 4164..4243, 4431..4646, 5471..5608, 5715..5980, 6225..6342, 6448..7164, 7254..7355, 7440..7652, 7738..7912, 7998..8287, 8368..8454, 8477..8950		

Seq. No.	11022	Seq. ID	OJ990730_04.9920.C7
Gene No.	23402	Strand	+
Start	2199	End	8950
Name	OJ990730_04.9920.C7.o1.np	Method	AAT/NAP
Start	5528	End	8935
GI	2506525	Score	1286
Exons	5528..5608, 5715..5980, 6225..6342, 6448..6568, 6617..6752, 6876..7164, 7254..7355, 7440..7652, 7738..7912, 7998..8287, 8368..8442, 8537..8935		
GI Descrip.	HOMEOBOX PROTEIN GLABRA2 (HOMEOBOX-LEUCINE ZIPPER PROTEIN ATHB-10) (HD-ZIP PROTEIN ATHB-10) gi|2129614|pir||S71449 homeotic protein GL2 - Arabidopsis thaliana gi|1695244 (L32873) homeodomain protein [Arabidopsis thaliana] gi|6453863|gb|AAF09047.1|AC011717_14 (AC011717) homeobox protein (GLABRA2) [Arabidopsis thaliana]		

Seq. No.	11022	Seq. ID	OJ990730_04.9920.C7
Gene No.	23403	Strand	-
Start	419	End	845
Name	OJ990730_04.9920.C7.o1.gp	Method	AAT/GAP
Start	419	End	845
GI	1656_1.R1084	Score	545
Exons	419..517, 647..845		
GI Descrip.	'586238/sp|P37398|VIV_ORYSA 2.0e-51 VIVIPAROUS PROTEIN HOMOLOG >gi_632294_pir__S48899 VP1 protein (OSVP1) - Oryza sativa >gi_391885_dbj_BAA04066_ (D16640) VP1 protein (OSVP1) [Oryza sativa]'		

Seq. No.	11022	Seq. ID	OJ990730_04.9920.C7
Gene No.	23404	Strand	-
Start	9278	End	11688
Name	OJ990730_04.9920.C7.o2.tm	Method	TBLASTX:Maize
Start	2256	End	2710
GI	none	Score	50
Exons	2256..2309, 2298..2327, 2426..2539, 2428..2541, 2428..2508, 2591..2683, 2617..2697, 2621..2710, 2622..2705		

Seq. No.	11022	Seq. ID	OJ990730_04.9920.C7
Gene No.	23404	Strand	-

Start	9278	End	11688
Name	OJ990730_04.9920.C7.o1.tc	Method	TBLASTX:Cress
Start	6217	End	8448
GI	none	Score	149
Exons	6217..6357, 6907..6990, 7045..7164, 7254..7361, 7440..7556, 7554..7655, 7735..7917, 7738..7905, 7788..7928, 8000..8098, 8164..8271, 8174..8287, 8368..8448		

Seq. No.	11022	Seq. ID	OJ990730_04.9920.C7
Gene No.	23404	Strand	-
Start	9278	End	11688
Name	OJ990730_04.9920.C7.o1.ts	Method	TBLASTX:Soybean
Start	7287	End	8439
GI	none	Score	47
Exons	7287..7358, 7439..7555, 7440..7655, 7738..7905, 8014..8106, 8015..8104, 8164..8271, 8174..8287, 8368..8439		

Seq. No.	11022	Seq. ID	OJ990730_04.9920.C7
Gene No.	23404	Strand	-
Start	9278	End	11688
Name	OJ990730_04.9920.C7.o1.tm	Method	TBLASTX:Maize
Start	7735	End	8814
GI	none	Score	148
Exons	7735..7755, 7738..7905, 7809..7928, 8000..8098, 8000..8065, 8164..8184, 8174..8287, 8368..8448, 8581..8703, 8767..8814		

Seq. No.	11022	Seq. ID	OJ990730_04.9920.C7
Gene No.	23404	Strand	-
Start	9278	End	11688
Name	OJ990730_04.9920.C7.o3.gs	Method	GENSCAN
Start	9278	End	11688
GI	none	Score	.96
Exons	9278..9426, 11529..11688		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23405	Strand	+
Start	154	End	4300
Name	OJ990730_04.9920.C8.o1.gs	Method	GENSCAN
Start	154	End	3339
GI	none	Score	.92
Exons	154..213, 343..414, 517..578, 1248..1331, 1779..1825, 1933..2096, 2306..2443, 2944..3065, 3195..3339		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23405	Strand	+
Start	154	End	4300
Name	OJ990730_04.9920.C8.o1.np	Method	AAT/NAP
Start	154	End	4300
GI	584706	Score	1758
Exons	154..213, 343..414, 517..578, 1248..1331, 1512..1611, 1705..1825, 1933..2096, 2306..2443, 2944..3065, 3195..3289, 3908..4028, 4219..4300		
GI Descrip.	ASPARTATE AMINOTRANSFERASE, CYTOPLASMIC (TRANSAMINASE A) gi|2130066|pir||JC5124 aspartate transaminase (EC 2.6.1.1), cytoplasmic - rice gi|287298|dbj|BAA03504| (D14673) aspartate aminotransferase [Oryza sativa]		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23406	Strand	+
Start	8197	End	11218
Name	OJ990730_04.9920.C8.o2.np	Method	AAT/NAP
Start	8197	End	11218
GI	3451069	Score	2605
Exons	8197..8320, 8444..11218		
GI Descrip.	(AL031326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23406	Strand	+
Start	8197	End	11218
Name	OJ990730_04.9920.C8.o3.gs	Method	GENSCAN
Start	8197	End	11205
GI	none	Score	1
Exons	8197..11205		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23407	Strand	+
Start	12008	End	12956
Name	OJ990730_04.9920.C8.o3.np	Method	AAT/NAP
Start	12008	End	12956
GI	584706	Score	133
Exons	12008..12111, 12222..12342, 12755..12956		
GI Descrip.	ASPARTATE AMINOTRANSFERASE, CYTOPLASMIC (TRANSAMINASE A) gi|2130066|pir||JC5124 aspartate transaminase (EC 2.6.1.1), cytoplasmic - rice gi|287298|dbj|BAA03504| (D14673) aspartate aminotransferase [Oryza sativa]		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23408	Strand	+
Start	18413	End	19612
Name	OJ990730_04.9920.C8.o5.gs	Method	GENSCAN
Start	18413	End	19612
GI	none	Score	.73
Exons	18413..18492, 18828..18969, 19172..19315, 19607..19612		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23409	Strand	-
Start	4193	End	7443
Name	OJ990730_04.9920.C8.o2.gs	Method	GENSCAN
Start	4193	End	7443
GI	none	Score	.47
Exons	4193..4294, 4594..4715, 7020..7199, 7257..7443		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23410	Strand	-
Start	12218	End	17554
Name	OJ990730_04.9920.C8.o4.gs	Method	GENSCAN
Start	12218	End	16540
GI	none	Score	.83
Exons	12218..12375, 14401..14803, 14905..15225, 15315..15581, 15677..15751, 15869..16023, 16117..16233, 16324..16540		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23410	Strand	-
Start	12218	End	17554

Name	OJ990730_04.9920.C8.o4.np	Method	AAT/NAP
Start	14393	End	17554
GI	4753658	Score	1024
Exons	14393..14461, 14495..14803, 14905..15225, 15315..15581, 15677..15751, 15869..16023, 16117..16236, 17518..17554		
GI Descrip.	(AL049751) putative protein [Arabidopsis thaliana]		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23411	Strand	-
Start	20861	End	21400
Name	OJ990730_04.9920.C8.o6.gs	Method	GENSCAN
Start	20861	End	21400
GI	none	Score	.73
Exons	20861..20948, 20966..21078, 21263..21400		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23411	Strand	-
Start	20861	End	21400
Name	OJ990730_04.9920.C8.o5.np	Method	AAT/NAP
Start	20935	End	21400
GI	6850349	Score	343
Exons	20935..21078, 21263..21400		
GI Descrip.	(AC022354) unknown protein [Arabidopsis thaliana]		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o2.tw	Method	TBLASTX:Wheat
Start	3	End	1611
GI	none	Score	93
Exons	3..68, 5..64, 35..85, 36..104, 138..158, 144..215, 148..216, 158..214, 343..414, 343..420, 372..419, 514..624, 517..576, 1249..1329, 1249..1329, 1507..1611, 1509..1610		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o1.ts	Method	TBLASTX:Soybean
Start	19	End	12887
GI	none	Score	60
Exons	19..72, 136..216, 168..227, 342..416, 343..414, 516..569, 517..576, 1249..1329, 1258..1329, 1507..1611, 1509..1607, 1689..1814, 1690..1827, 1701..1826, 1931..2095, 1932..2096, 2286..2426, 2302..2445, 2303..2446, 2944..3066, 2956..3069, 3199..3291, 3202..3276, 3906..4028, 3909..4028, 3910..4038, 3913..4029, 4219..4290, 4220..4312, 12746..12874, 12750..12875, 12765..12887		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o1.tc	Method	TBLASTX:Cress
Start	28	End	12887
GI	none	Score	42
Exons	28..66, 166..216, 342..416, 343..414, 516..572, 517..576, 1246..1329, 1507..1611, 1509..1607, 1690..1827, 1707..1826, 1931..2095, 1932..2096, 2283..2423, 2298..2441, 2302..2445,		

2303..2446, 2303..2449, 2944..3066, 2997..3068, 3199..3291, 3200..3289, 3201..3293, 3894..4025, 3899..4030, 3909..4028, 3910..4038, 4219..4323, 4220..4294, 12740..12871, 12765..12887, 12765..12875

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o5.tm	Method	TBLASTX:Maize
Start	162	End	12887
GI	none	Score	73
Exons	162..218, 163..216, 343..414, 343..420, 372..419, 514..579, 516..572, 517..579, 1247..1330, 1249..1329, 1479..1607, 1486..1608, 1507..1611, 1509..1610, 1698..1805, 1700..1825, 1702..1827, 1702..1827, 1909..2079, 1909..2094, 1931..2095, 1932..2096, 2302..2442, 2302..2445, 2303..2446, 2303..2449, 2944..3063, 2948..3064, 3192..3293, 3193..3291, 3200..3310, 3906..4028, 3909..4028, 3910..4038, 4219..4302, 4219..4302, 4220..4303, 4346..4399, 4346..4396, 4440..4475, 4442..4471, 12019..12111, 12234..12278, 12765..12887, 12767..12874		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o3.tw	Method	TBLASTX:Wheat
Start	8167	End	8339
GI	none	Score	138
Exons	8167..8331, 8196..8339, 8199..8327		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o8.tm	Method	TBLASTX:Maize
Start	8274	End	8583
GI	none	Score	273
Exons	8274..8582, 8274..8582, 8302..8583		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o4.tc	Method	TBLASTX:Cress
Start	8497	End	9192
GI	none	Score	35
Exons	8497..8562, 8642..8821, 8694..8888, 8695..9003, 8698..8976, 9078..9167, 9079..9192		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o4.tm	Method	TBLASTX:Maize
Start	9147	End	9614
GI	none	Score	580
Exons	9147..9614, 9151..9612, 9152..9613		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445

Name	OJ990730_04.9920.C8.o2.tm	Method	TBLASTX:Maize
Start	9841	End	10322
GI	none	Score	605
Exons	9841..10239, 9841..10230, 9843..10238, 10246..10320, 10248..10322, 10249..10320, 10280..10321		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o1.tm	Method	TBLASTX:Maize
Start	10453	End	11298
GI	none	Score	1135
Exons	10453..11247, 10455..11246, 10480..11277, 11230..11298, 11230..11295		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o6.ts	Method	TBLASTX:Soybean
Start	14893	End	15046
GI	none	Score	128
Exons	14893..15045, 14894..15046		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o3.tm	Method	TBLASTX:Maize
Start	14903	End	15398
GI	none	Score	429
Exons	14903..15226, 14905..15228, 15028..15246, 15300..15389, 15315..15398		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o3.ts	Method	TBLASTX:Soybean
Start	15047	End	15506
GI	none	Score	48
Exons	15047..15226, 15055..15228, 15292..15363, 15315..15506		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o6.tc	Method	TBLASTX:Cress
Start	15094	End	15503
GI	none	Score	192
Exons	15094..15228, 15315..15503		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o7.tm	Method	TBLASTX:Maize
Start	15399	End	16003
GI	none	Score	42
Exons	15399..15470, 15436..15471, 15442..15510, 15444..15512, 15483..15581, 15504..15581, 15511..15582, 15585..15605, 15675..15752, 15677..15754, 15682..15753, 15864..16001,		

15866..16003, 15869..16003

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o4.ts	Method	TBLASTX:Soybean
Start	15525	End	16246
GI	none	Score	106
Exons	15525..15575, 15888..16025, 15896..16018, 16109..16246		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o5.ts	Method	TBLASTX:Soybean
Start	20941	End	21401
GI	none	Score	128
Exons	20941..21081, 20945..21079, 20950..21081, 21261..21401, 21263..21400		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o7.tc	Method	TBLASTX:Cress
Start	20944	End	21428
GI	none	Score	154
Exons	20944..21081, 20945..21079, 21261..21284, 21291..21428, 21293..21400		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o11.tm	Method	TBLASTX:Maize
Start	20947	End	21421
GI	none	Score	180
Exons	20947..21099, 20948..21100, 21258..21404, 21260..21421, 21261..21407		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o7.gs	Method	GENSCAN
Start	21882	End	29445
GI	none	Score	.62
Exons	21882..21958, 22696..22844, 23579..23697, 24038..24198, 24284..24361, 24460..24531, 25580..25774, 25960..26035, 26172..26294, 26426..26602, 26701..26798, 26894..27197, 28236..28405, 28793..28821, 29359..29445		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o9.tm	Method	TBLASTX:Maize
Start	23485	End	23698
GI	none	Score	162
Exons	23485..23697, 23531..23698, 23567..23698		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8

Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o6.np	Method	AAT/NAP
Start	23488	End	26984
GI	3337350	Score	1829
Exons	23488..23697, 24038..24198, 24284..24361, 24460..24551, 24622..24680, 24771..24857, 24940..25036, 25498..25682, 25775..25834, 25960..26035, 26194..26294, 26426..26602, 26701..26798, 26894..26984		
GI Descrip.	(AC004481) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o2.tc	Method	TBLASTX:Cress
Start	23494	End	24806
GI	none	Score	75
Exons	23494..23598, 23599..23697, 23999..24022, 24038..24196, 24051..24197, 24282..24377, 24283..24363, 24455..24538, 24459..24548, 24622..24684, 24651..24683, 24771..24806, 24772..24798		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o2.ts	Method	TBLASTX:Soybean
Start	23494	End	26954
GI	none	Score	70
Exons	23494..23598, 23599..23697, 24038..24196, 24039..24197, 24282..24383, 24283..24378, 24455..24550, 24459..24551, 24622..24684, 24651..24683, 24771..24869, 24771..24815, 24940..25038, 24940..25035, 25328..25423, 25521..25694, 25775..25834, 25957..26010, 26169..26297, 26426..26599, 26427..26600, 26701..26796, 26708..26797, 26895..26954		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o1.tw	Method	TBLASTX:Wheat
Start	23560	End	24500
GI	none	Score	86
Exons	23560..23598, 23599..23697, 24038..24196, 24039..24197, 24238..24363, 24282..24383, 24455..24499, 24459..24500		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o6.tm	Method	TBLASTX:Maize
Start	24143	End	25589
GI	none	Score	95
Exons	24143..24205, 24144..24215, 24145..24237, 24254..24358, 24284..24358, 24285..24383, 24286..24378, 24455..24550, 24459..24551, 24462..24566, 24622..24684, 24622..24681, 24651..24683, 24769..24870, 24770..24871, 24935..25036, 24940..25038, 24940..25053, 25482..25589, 25498..25587		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8

Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o3.tc	Method	TBLASTX:Cress
Start	25500	End	26041
GI	none	Score	66
Exons	25500..25601, 25501..25632, 25602..25685, 25775..25834, 25957..26019, 25958..26041		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o5.tc	Method	TBLASTX:Cress
Start	26169	End	27073
GI	none	Score	63
Exons	26169..26300, 26194..26298, 26459..26602, 26481..26603, 26707..26796, 26708..26797, 26895..26987, 26896..26952, 27026..27073		

Seq. No.	11023	Seq. ID	OJ990730_04.9920.C8
Gene No.	23412	Strand	-
Start	21882	End	29445
Name	OJ990730_04.9920.C8.o10.tm	Method	TBLASTX:Maize
Start	26414	End	26954
GI	none	Score	107
Exons	26414..26599, 26475..26600, 26701..26796, 26708..26797, 26895..26954, 26915..26953		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23413	Strand	+
Start	7389	End	18723
Name	OJ990730_04.9920.C9.o1.np	Method	AAT/NAP
Start	5797	End	11575
GI	4680203	Score	1620
Exons	5797..5860, 7322..8933, 9090..9312, 9589..10353, 11509..11575		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23413	Strand	+
Start	7389	End	18723
Name	OJ990730_04.9920.C9.o2.gs	Method	GENSCAN
Start	7389	End	18723
GI	none	Score	.46
Exons	7389..8862, 8911..9249, 9464..10105, 10208..10499, 11174..11508, 12183..12343, 12631..13740, 14168..14188, 14879..15009, 15290..15371, 15466..15536, 17842..17914, 18718..18723		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23414	Strand	+
Start	24680	End	26239
Name	OJ990730_04.9920.C9.o2.np	Method	AAT/NAP
Start	24680	End	26239
GI	5821069	Score	2719
Exons	24680..26239		
GI Descrip.	(AB011968) OsPK7 [Oryza sativa]		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23415	Strand	+

Start	33112	End	34548
Name	OJ990730_04.9920.C9.o2.gp	Method	AAT/GAP
Start	32710	End	32804
GI	90742_1.R1084	Score	97
Exons	32710..32804		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23415	Strand	+
Start	33112	End	34548
Name	OJ990730_04.9920.C9.o3.gp	Method	AAT/GAP
Start	32997	End	33487
GI	30180_1.R1084	Score	958
Exons	32997..33487		
GI Descrip.	'1777312/dbj|BAA06311| 1.0e-16 (D30622) novel serine/threonine protein kinase [Arabidopsis thaliana]'		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23415	Strand	+
Start	33112	End	34548
Name	OJ990730_04.9920.C9.o3.np	Method	AAT/NAP
Start	33112	End	34548
GI	6623874	Score	998
Exons	33112..34037, 34095..34548		
GI Descrip.	(AC018722) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23415	Strand	+
Start	33112	End	34548
Name	OJ990730_04.9920.C9.o6.gs	Method	GENSCAN
Start	33112	End	34536
GI	none	Score	.5
Exons	33112..34536		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23416	Strand	+
Start	35085	End	36015
Name	OJ990730_04.9920.C9.o7.gs	Method	GENSCAN
Start	35085	End	36015
GI	none	Score	.73
Exons	35085..35159, 35358..35493, 35906..36015		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23417	Strand	+
Start	39931	End	41899
Name	OJ990730_04.9920.C9.o4.np	Method	AAT/NAP
Start	39931	End	41899
GI	6907086	Score	1329
Exons	39931..40674, 40732..40985, 41208..41274, 41379..41520, 41624..41728, 41811..41899		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23418	Strand	+
Start	42129	End	45475
Name	OJ990730_04.9920.C9.o5.np	Method	AAT/NAP

Start	42129	End	43586
GI	82484	Score	176
Exons	42129..42237, 42393..42639, 43481..43586		
GI Descrip.	hypothetical protein 1 - rice gi|20382|emb|CAA29825| (X06611) put. ORF 2 [Oryza sativa]		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23418	Strand	+
Start	42129	End	45475
Name	OJ990730_04.9920.C9.o9.gs	Method	GENSCAN
Start	43230	End	45472
GI	none	Score	.75
Exons	43230..43571, 43975..44141, 44488..44534, 44657..44789, 44926..45472		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23418	Strand	+
Start	42129	End	45475
Name	OJ990730_04.9920.C9.o6.np	Method	AAT/NAP
Start	43380	End	45475
GI	3738302	Score	593
Exons	43380..43571, 44054..44141, 44654..44789, 44926..45475		
GI Descrip.	(AC005309) putative Tub family protein [Arabidopsis thaliana]		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23419	Strand	+
Start	47575	End	50875
Name	OJ990730_04.9920.C9.o7.np	Method	AAT/NAP
Start	47575	End	50875
GI	6815109	Score	145
Exons	47575..47754, 48295..48635, 50853..50875		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23420	Strand	+
Start	54447	End	54933
Name	OJ990730_04.9920.C9.o7.gp	Method	AAT/GAP
Start	54447	End	54933
GI	2312719	Score	739
Exons	54447..54535, 54630..54933		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23421	Strand	+
Start	54847	End	60677
Name	OJ990730_04.9920.C9.o12.gs	Method	GENSCAN
Start	54847	End	60677
GI	none	Score	.41
Exons	54847..54855, 54860..55129, 55939..56027, 57812..57909, 59885..60046, 60568..60677		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23422	Strand	-
Start	136	End	3997
Name	OJ990730_04.9920.C9.o1.gs	Method	GENSCAN
Start	136	End	3997
GI	none	Score	.58
Exons	136..242, 324..448, 512..631, 1143..1344, 1960..2114,		

3196..3250, 3335..3997

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23422	Strand	-
Start	136	End	3997
Name	OJ990730_04.9920.C9.o1.gp	Method	AAT/GAP
Start	1968	End	3796
GI	none	Score	1102
Exons	1968..2051, 3196..3246, 3329..3796		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23423	Strand	-
Start	34064	End	34684
Name	OJ990730_04.9920.C9.o4.gp	Method	AAT/GAP
Start	34064	End	34684
GI	37125_1.R1084	Score	1164
Exons	34064..34684		
GI Descrip.	'343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)'		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23424	Strand	-
Start	42272	End	42352
Name	OJ990730_04.9920.C9.o5.gp	Method	AAT/GAP
Start	42272	End	42352
GI	5003694	Score	111
Exons	42272..42352		
GI Descrip.	343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23425	Strand	-
Start	46324	End	47233
Name	OJ990730_04.9920.C9.o10.gs	Method	GENSCAN
Start	46324	End	47233
GI	none	Score	.65
Exons	46324..46496, 46519..47233		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23426	Strand	-
Start	49105	End	53865
Name	OJ990730_04.9920.C9.o11.gs	Method	GENSCAN
Start	49105	End	53474
GI	none	Score	.59
Exons	49105..49286, 51604..51754, 52001..52234, 52343..52619, 52808..52942, 52972..53474		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23426	Strand	-
Start	49105	End	53865
Name	OJ990730_04.9920.C9.o8.np	Method	AAT/NAP
Start	50368	End	53865
GI	3201624	Score	182
Exons	50368..50431, 52443..52600, 52705..52996, 53123..53388, 53741..53865		
GI Descrip.	(AC004669) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23426	Strand	-
Start	49105	End	53865
Name	OJ990730_04.9920.C9.o6.gp	Method	AAT/GAP
Start	53193	End	53666
GI	uC-osflm202102g03b1	Score	904
Exons	53193..53666		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o8.tm	Method	TBLASTX:Maize
Start	130	End	1350
GI	none	Score	69
Exons	130..174, 136..186, 151..243, 480..554, 511..561, 611..634,	178..243, 321..374, 322..375, 1142..1345, 1144..1350, 1172..1345	

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o4.ts	Method	TBLASTX:Soybean
Start	204	End	1944
GI	none	Score	126
Exons	204..242, 321..395, 513..632, 1149..1328, 1149..1403, 1172..1357,	1142..1348, 1144..1350, 1867..1944	

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o2.tw	Method	TBLASTX:Wheat
Start	7695	End	8288
GI	none	Score	226
Exons	7695..7985, 7697..7987, 8043..8159, 8180..8287	8067..8165, 8163..8288,	

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o6.ts	Method	TBLASTX:Soybean
Start	7713	End	7985
GI	none	Score	289
Exons	7713..7985, 7730..7978		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o7.ts	Method	TBLASTX:Soybean
Start	8028	End	8303
GI	none	Score	213
Exons	8028..8303, 8063..8302		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o4.tc	Method	TBLASTX:Cress

Start	8052	End	8384
GI	none	Score	282
Exons	8052..8384, 8138..8188, 8222..8329		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o10.tm	Method	TBLASTX:Maize
Start	8190	End	8675
GI	none	Score	99
Exons	8190..8294, 8198..8293, 8297..8389, 8301..8390, 8458..8493, 8487..8534, 8535..8582, 8582..8671, 8586..8675		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o7.tw	Method	TBLASTX:Wheat
Start	8289	End	8624
GI	none	Score	57
Exons	8289..8330, 8334..8432, 8336..8431, 8478..8576, 8489..8560, 8586..8624		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o5.tm	Method	TBLASTX:Maize
Start	9178	End	9561
GI	none	Score	65
Exons	9178..9252, 9246..9374, 9246..9560, 9247..9561		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o1.tw	Method	TBLASTX:Wheat
Start	9202	End	10335
GI	none	Score	536
Exons	9202..9918, 9255..9830, 9927..10109, 9937..10125, 10102..10218, 10144..10203, 10234..10335, 10269..10328		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o3.tc	Method	TBLASTX:Cress
Start	9493	End	9918
GI	none	Score	302
Exons	9493..9918, 9501..9830		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o11.tm	Method	TBLASTX:Maize
Start	9811	End	10101
GI	none	Score	139
Exons	9811..9981, 9993..10100, 9994..10101		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-

Start	60848	End	65554
Name	OJ990730_04.9920.C9.o1.ts	Method	TBLASTX:Soybean
Start	24800	End	33927
GI	none	Score	1121
Exons	24800..25231, 24812..25621, 24988..25608, 25280..25621, 33107..33175, 33118..33258, 33147..33176, 33184..33294, 33219..33293, 33286..33393, 33354..33416, 33355..33429, 33436..33927, 33438..33572, 33630..33794, 33646..33927		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o1.tc	Method	TBLASTX:Cress
Start	24812	End	34470
GI	none	Score	920
Exons	24812..25588, 24817..25587, 25825..25896, 25826..25900, 25912..26004, 26057..26173, 33109..33393, 33184..33294, 33219..33416, 33355..33426, 33444..33569, 33445..33927, 33627..33920, 34102..34278, 34324..34470		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o1.tm	Method	TBLASTX:Maize
Start	24812	End	34467
GI	none	Score	983
Exons	24812..25642, 24814..25596, 25826..25897, 25828..25899, 25895..26218, 25933..26121, 26133..26156, 33046..33294, 33127..33393, 33355..33471, 33402..33572, 33436..33939, 33627..33920, 33631..33927, 33970..34179, 34080..34169, 34162..34278, 34188..34247, 34273..34467, 34317..34457		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o5.tw	Method	TBLASTX:Wheat
Start	25007	End	33738
GI	none	Score	80
Exons	25007..25132, 25090..25197, 25091..25210, 25297..25386, 25298..25396, 33361..33552, 33381..33551, 33631..33738, 33633..33734		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o9.tw	Method	TBLASTX:Wheat
Start	25399	End	53175
GI	none	Score	192
Exons	25399..25593, 25400..25588, 33741..33947, 33742..33951, 33783..33977, 33784..33948, 53053..53175		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o2.ts	Method	TBLASTX:Soybean
Start	25816	End	34458
GI	none	Score	455

Exons	25816..26121, 25817..26182, 25886..26182, 34093..34164, 34168..34278, 34273..34458, 34317..34442		
Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o10.tw	Method	TBLASTX:Wheat
Start	25826	End	34422
GI	none	Score	73
Exons	25826..25918, 25910..26146, 34273..34422		
Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o9.tm	Method	TBLASTX:Maize
Start	43325	End	43568
GI	none	Score	284
Exons	43325..43564, 43326..43568		
Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o5.tc	Method	TBLASTX:Cress
Start	43364	End	44813
GI	none	Score	198
Exons	43364..43561, 43365..43568, 44027..44137, 44053..44136, 44661..44813, 44665..44811		
Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o8.ts	Method	TBLASTX:Soybean
Start	43379	End	44137
GI	none	Score	210
Exons	43379..43570, 43380..43571, 44027..44137, 44050..44136		
Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o3.tm	Method	TBLASTX:Maize
Start	44662	End	45520
GI	none	Score	105
Exons	44662..44790, 44664..44783, 44881..45039, 44924..45196, 44927..45082, 44937..45170, 45199..45360, 45200..45340, 45205..45345, 45331..45492, 45332..45469, 45391..45471, 45428..45520		
Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o6.tw	Method	TBLASTX:Wheat
Start	44709	End	45271
GI	none	Score	254
Exons	44709..44819, 44912..45169, 44924..45211, 45003..45191, 45152..45271		
Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9

Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o2.tc	Method	TBLASTX:Cress
Start	44924	End	45469
GI	none	Score	55
Exons	44924..45004, 45026..45208, 45208..45327, 45209..45328, 45308..45469, 45349..45468		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o5.ts	Method	TBLASTX:Soybean
Start	45202	End	45582
GI	none	Score	172
Exons	45202..45330, 45209..45331, 45320..45469, 45320..45484, 45544..45582		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o4.tm	Method	TBLASTX:Maize
Start	51360	End	52164
GI	none	Score	234
Exons	51360..51569, 51360..51584, 51568..51600, 51639..51743, 51662..51751, 51730..52164, 51747..51971, 51748..52164		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o12.tm	Method	TBLASTX:Maize
Start	52166	End	52466
GI	none	Score	100
Exons	52166..52234, 52167..52235, 52339..52404, 52343..52465, 52344..52466		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o13.gs	Method	GENSCAN
Start	60848	End	65554
GI	none	Score	.47
Exons	60848..61380, 61707..62096, 62357..62545, 62718..62997, 63622..63809, 64441..65554		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o14.tm	Method	TBLASTX:Maize
Start	61768	End	62028
GI	none	Score	75
Exons	61768..61878, 61769..61864, 61897..62028		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o9.np	Method	AAT/NAP
Start	62029	End	63804

GI	4581164	Score	1184
Exons	62029..62796, 62953..63804		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o3.tw	Method	TBLASTX:Wheat
Start	62040	End	62438
GI	none	Score	90
Exons	62040..62438, 62041..62397		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o6.tm	Method	TBLASTX:Maize
Start	62193	End	62630
GI	none	Score	73
Exons	62193..62438, 62194..62457, 62446..62562, 62463..62630		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o2.tm	Method	TBLASTX:Maize
Start	62632	End	63148
GI	none	Score	334
Exons	62632..63144, 62633..63148		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o4.tw	Method	TBLASTX:Wheat
Start	62776	End	63177
GI	none	Score	323
Exons	62776..63177		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o3.ts	Method	TBLASTX:Soybean
Start	62902	End	63280
GI	none	Score	144
Exons	62902..63249, 62969..63280		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o7.tm	Method	TBLASTX:Maize
Start	63172	End	63645
GI	none	Score	144
Exons	63172..63468, 63173..63451, 63268..63489, 63541..63645, 63575..63640		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554

Name	OJ990730_04.9920.C9.o8.tw	Method	TBLASTX:Wheat
Start	63226	End	63560
GI	none	Score	115
Exons	63226..63465, 63230..63481, 63385..63489, 63479..63559, 63516..63560		

Seq. No.	11024	Seq. ID	OJ990730_04.9920.C9
Gene No.	23427	Strand	-
Start	60848	End	65554
Name	OJ990730_04.9920.C9.o13.tm	Method	TBLASTX:Maize
Start	63943	End	64239
GI	none	Score	195
Exons	63943..64239		

Seq. No.	11025	Seq. ID	OJ990730_04.9920.C14
Gene No.	23428	Strand	-
Start	88	End	223
Name	OJ990730_04.9920.C14.o1.gs	Method	GENSCAN
Start	88	End	223
GI	none	Score	.89
Exons	88..223		

Seq. No.	11026	Seq. ID	OJ990510_04.9919.C6
Gene No.	23429	Strand	+
Start	1	End	739
Name	OJ990510_04.9919.C6.o1.np	Method	AAT/NAP
Start	1	End	739
GI	5042447	Score	80
Exons	1..131, 673..739		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11027	Seq. ID	OJ990510_04.9919.C7
Gene No.	23430	Strand	-
Start	232	End	306
Name	OJ990510_04.9919.C7.o1.gs	Method	GENSCAN
Start	232	End	306
GI	none	Score	.74
Exons	232..306		

Seq. No.	11028	Seq. ID	OJ990510_04.9919.C8
Gene No.	23431	Strand	+
Start	328	End	520
Name	OJ990510_04.9919.C8.o1.gs	Method	GENSCAN
Start	328	End	520
GI	none	Score	.76
Exons	328..362, 407..520		

Seq. No.	11029	Seq. ID	OJ990510_04.9919.C9
Gene No.	23432	Strand	-
Start	261	End	290
Name	OJ990510_04.9919.C9.o1.gs	Method	GENSCAN
Start	261	End	290
GI	none	Score	.43
Exons	261..290		

Seq. No.	11030	Seq. ID	OJ990510_04.9919.C17
Gene No.	23433	Strand	+

Start	2216	End	5511
Name	OJ990510_04.9919.C17.o1.gs	Method	GENSCAN
Start	2216	End	5511
GI	none	Score	.74
Exons	2216..2466, 2599..2779, 4735..5045, 5130..5511		

Seq. No.	11031	Seq. ID	OJ990510_04.9919.C18
Gene No.	23434	Strand	+
Start	152	End	3859
Name	OJ990510_04.9919.C18.o1.gs	Method	GENSCAN
Start	152	End	3859
GI	none	Score	.51
Exons	152..158, 643..747, 795..948, 1164..1248, 3059..3859		

Seq. No.	11031	Seq. ID	OJ990510_04.9919.C18
Gene No.	23435	Strand	+
Start	4106	End	8153
Name	OJ990510_04.9919.C18.o3.np	Method	AAT/NAP
Start	4106	End	8153
GI	4680179	Score	663
Exons	4106..4898, 8104..8153		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11031	Seq. ID	OJ990510_04.9919.C18
Gene No.	23436	Strand	-
Start	1792	End	1986
Name	OJ990510_04.9919.C18.o1.np	Method	AAT/NAP
Start	1792	End	1986
GI	4680186	Score	102
Exons	1792..1986		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11031	Seq. ID	OJ990510_04.9919.C18
Gene No.	23437	Strand	
Start	4367	End	4578
Name	OJ990510_04.9919.C18.o2.tw	Method	TBLASTX:Wheat
Start	4367	End	4578
GI	none	Score	191
Exons	4367..4576, 4378..4578		

Seq. No.	11031	Seq. ID	OJ990510_04.9919.C18
Gene No.	23438	Strand	
Start	4597	End	4903
Name	OJ990510_04.9919.C18.o1.tw	Method	TBLASTX:Wheat
Start	4597	End	4903
GI	none	Score	278
Exons	4597..4794, 4601..4903		

Seq. No.	11031	Seq. ID	OJ990510_04.9919.C18
Gene No.	23438	Strand	
Start	4597	End	4903
Name	OJ990510_04.9919.C18.o1.tm	Method	TBLASTX:Maize
Start	4601	End	4891
GI	none	Score	200
Exons	4601..4891, 4618..4731		

Seq. No.	11032	Seq. ID	OJ990510_04.9919.C19

Gene No.	23439	Strand	+
Start	1193	End	1613
Name	OJ990510_04.9919.C19.o1.gs	Method	GENSCAN
Start	1193	End	1613
GI	none	Score	.81
Exons	1193..1613		

Seq. No.	11032	Seq. ID	OJ990510_04.9919.C19
Gene No.	23440	Strand	+
Start	2881	End	3858
Name	OJ990510_04.9919.C19.o2.gs	Method	GENSCAN
Start	2881	End	3858
GI	none	Score	.77
Exons	2881..3496, 3788..3858		

Seq. No.	11033	Seq. ID	OJ990510_04.9919.C20
Gene No.	23441	Strand	+
Start	1822	End	2084
Name	OJ990510_04.9919.C20.o1.gp	Method	AAT/GAP
Start	1822	End	2084
GI	2315_5.R1084	Score	358
Exons	1822..2084		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11033	Seq. ID	OJ990510_04.9919.C20
Gene No.	23442	Strand	+
Start	3447	End	3506
Name	OJ990510_04.9919.C20.o2.gp	Method	AAT/GAP
Start	3447	End	3506
GI	2315_6.R1084	Score	73
Exons	3447..3506		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 4.0e-38 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11033	Seq. ID	OJ990510_04.9919.C20
Gene No.	23443	Strand	-
Start	5319	End	5586
Name	OJ990510_04.9919.C20.o3.gp	Method	AAT/GAP
Start	5319	End	5586
GI	2315_5.R1084	Score	309
Exons	5319..5430, 5508..5586		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11033	Seq. ID	OJ990510_04.9919.C20
Gene No.	23444	Strand	-
Start	7264	End	10763
Name	OJ990510_04.9919.C20.o1.np	Method	AAT/NAP
Start	7264	End	10763
GI	2967837	Score	153
Exons	7264..7292, 9588..10098, 10458..10763		
GI Descrip.	(AF052641) cyst nematode resistance gene candidate [Triticum aestivum]		

Seq. No.	11033	Seq. ID	OJ990510_04.9919.C20
Gene No.	23445	Strand	-

Start	13466	End	13680
Name	OJ990510_04.9919.C20.o4.gs	Method	GENSCAN
Start	13466	End	13680
GI	none	Score	.94
Exons	13466..13525, 13600..13680		

Seq. No.	11033	Seq. ID	OJ990510_04.9919.C20
Gene No.	23446	Strand	-
Start	17472	End	19088
Name	OJ990510_04.9919.C20.o6.gs	Method	GENSCAN
Start	17472	End	19088
GI	none	Score	.73
Exons	17472..19088		

Seq. No.	11034	Seq. ID	OJ990510_04.9919.C21
Gene No.	23447	Strand	+
Start	4648	End	5660
Name	OJ990510_04.9919.C21.o1.gs	Method	GENSCAN
Start	4648	End	5660
GI	none	Score	.84
Exons	4648..4699, 5428..5660		

Seq. No.	11034	Seq. ID	OJ990510_04.9919.C21
Gene No.	23448	Strand	-
Start	13179	End	14023
Name	OJ990510_04.9919.C21.o2.gs	Method	GENSCAN
Start	13179	End	14023
GI	none	Score	.95
Exons	13179..13253, 13940..14023		

Seq. No.	11035	Seq. ID	OJ990510_04.9919.C22
Gene No.	23449	Strand	+
Start	1127	End	1555
Name	OJ990510_04.9919.C22.o1.gs	Method	GENSCAN
Start	1127	End	1555
GI	none	Score	.9
Exons	1127..1555		

Seq. No.	11036	Seq. ID	OJ990510_04.9919.C23
Gene No.	23450	Strand	+
Start	352	End	2904
Name	OJ990510_04.9919.C23.o1.gs	Method	GENSCAN
Start	352	End	2904
GI	none	Score	.71
Exons	352..439, 879..1125, 1353..1390, 2797..2904		

Seq. No.	11036	Seq. ID	OJ990510_04.9919.C23
Gene No.	23451	Strand	-
Start	1	End	3257
Name	OJ990510_04.9919.C23.o1.np	Method	AAT/NAP
Start	1	End	3257
GI	6630696	Score	208
Exons	1..58, 3022..3257		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	11036	Seq. ID	OJ990510_04.9919.C23
Gene No.	23452	Strand	-
Start	5336	End	14531
Name	OJ990510_04.9919.C23.o3.gs	Method	GENSCAN
Start	5336	End	14531
GI	none	Score	.55
Exons	5336..5354, 6038..6282, 9111..9180, 9814..9917, 10461..10704, 10937..11129, 12606..12984, 13410..13512, 13731..13835, 14389..14531		

Seq. No.	11036	Seq. ID	OJ990510_04.9919.C23
Gene No.	23452	Strand	-
Start	5336	End	14531
Name	OJ990510_04.9919.C23.o2.np	Method	AAT/NAP
Start	12631	End	13013
GI	3928543	Score	299
Exons	12631..13013		
GI Descrip.	(AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	11036	Seq. ID	OJ990510_04.9919.C23
Gene No.	23453	Strand	-
Start	16268	End	16546
Name	OJ990510_04.9919.C23.o1.tm	Method	TBLASTX:Maize
Start	12634	End	13017
GI	none	Score	340
Exons	12634..13017, 12641..12997, 12883..13017		

Seq. No.	11036	Seq. ID	OJ990510_04.9919.C23
Gene No.	23453	Strand	-
Start	16268	End	16546
Name	OJ990510_04.9919.C23.o1.ts	Method	TBLASTX:Soybean
Start	12643	End	13015
GI	none	Score	211
Exons	12643..13011, 12644..13015		

Seq. No.	11036	Seq. ID	OJ990510_04.9919.C23
Gene No.	23453	Strand	-
Start	16268	End	16546
Name	OJ990510_04.9919.C23.o1.tc	Method	TBLASTX:Cress
Start	12694	End	12999
GI	none	Score	257
Exons	12694..12999, 12719..12994		

Seq. No.	11036	Seq. ID	OJ990510_04.9919.C23
Gene No.	23453	Strand	-
Start	16268	End	16546
Name	OJ990510_04.9919.C23.o4.gs	Method	GENSCAN
Start	16268	End	16546
GI	none	Score	1
Exons	16268..16546		

Seq. No.	11037	Seq. ID	OJ990510_04.9919.C24
Gene No.	23454	Strand	+
Start	2450	End	3705
Name	OJ990510_04.9919.C24.o1.gs	Method	GENSCAN
Start	2450	End	3705

GI	none	Score	.55
Exons	2450..2498, 2752..2897, 3335..3361, 3424..3513, 3598..3705		

Seq. No.	11037	Seq. ID	OJ990510_04.9919.C24
Gene No.	23455	Strand	-
Start	4842	End	6371
Name	OJ990510_04.9919.C24.o2.gs	Method	GENSCAN
Start	4842	End	6365
GI	none	Score	.56
Exons	4842..6365		

Seq. No.	11037	Seq. ID	OJ990510_04.9919.C24
Gene No.	23455	Strand	-
Start	4842	End	6371
Name	OJ990510_04.9919.C24.o1.np	Method	AAT/NAP
Start	4881	End	6353
GI	3928543	Score	1231
Exons	4881..6353		
GI Descrip.	(AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	11037	Seq. ID	OJ990510_04.9919.C24
Gene No.	23455	Strand	-
Start	4842	End	6371
Name	OJ990510_04.9919.C24.o1.tm	Method	TBLASTX:Maize
Start	4884	End	5477
GI	none	Score	416
Exons	4884..5312, 4891..5295, 5055..5312, 5313..5402, 5313..5477, 5410..5472		

Seq. No.	11037	Seq. ID	OJ990510_04.9919.C24
Gene No.	23455	Strand	-
Start	4842	End	6371
Name	OJ990510_04.9919.C24.o1.tc	Method	TBLASTX:Cress
Start	4942	End	6353
GI	none	Score	254
Exons	4942..5295, 4944..5312, 5313..5588, 5326..5511, 5586..5759, 5641..5754, 5790..5999, 5890..6000, 6018..6110, 6042..6110, 6126..6353, 6142..6327		

Seq. No.	11037	Seq. ID	OJ990510_04.9919.C24
Gene No.	23455	Strand	-
Start	4842	End	6371
Name	OJ990510_04.9919.C24.o1.ts	Method	TBLASTX:Soybean
Start	4956	End	6330
GI	none	Score	188
Exons	4956..5057, 5064..5312, 5065..5295, 5319..5522, 5326..5529, 5547..5588, 5586..5759, 5790..6008, 5893..6000, 6012..6329, 6142..6330		

Seq. No.	11037	Seq. ID	OJ990510_04.9919.C24
Gene No.	23455	Strand	-
Start	4842	End	6371
Name	OJ990510_04.9919.C24.o1.tw	Method	TBLASTX:Wheat
Start	5074	End	5471
GI	none	Score	174
Exons	5074..5295, 5076..5297, 5325..5471		

Seq. No.	11037	Seq. ID	OJ990510_04.9919.C24
Gene No.	23455	Strand	-
Start	4842	End	6371
Name	OJ990510_04.9919.C24.o2.tm	Method	TBLASTX:Maize
Start	5493	End	6335
GI	none	Score	61
Exons	5493..5609, 5494..5571, 5556..5621, 5586..5759, 5641..5754, 5790..6011, 5791..5832, 5884..6027, 6009..6110, 6051..6104, 6089..6115, 6111..6335, 6135..6272, 6142..6333		

Seq. No.	11037	Seq. ID	OJ990510_04.9919.C24
Gene No.	23455	Strand	-
Start	4842	End	6371
Name	OJ990510_04.9919.C24.o2.tw	Method	TBLASTX:Wheat
Start	6042	End	6371
GI	none	Score	45
Exons	6042..6110, 6043..6075, 6123..6338, 6123..6371, 6142..6339		

Seq. No.	11038	Seq. ID	OJ990510_04.9919.C30
Gene No.	23456	Strand	-
Start	435	End	539
Name	OJ990510_04.9919.C30.o1.gs	Method	GENSCAN
Start	435	End	539
GI	none	Score	.52
Exons	435..539		

Seq. No.	11039	Seq. ID	OJ990330_01.9923.C1
Gene No.	23457	Strand	-
Start	112	End	663
Name	OJ990330_01.9923.C1.o1.gs	Method	GENSCAN
Start	112	End	663
GI	none	Score	.79
Exons	112..316, 600..663		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23458	Strand	+
Start	391	End	11651
Name	OJ990330_01.9923.C2.o1.np	Method	AAT/NAP
Start	391	End	6600
GI	5091513	Score	1987
Exons	391..417, 3710..4870, 5523..6317, 6361..6600		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23458	Strand	+
Start	391	End	11651
Name	OJ990330_01.9923.C2.o1.gs	Method	GENSCAN
Start	1205	End	1460
GI	none	Score	.97
Exons	1205..1297, 1371..1460		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23458	Strand	+
Start	391	End	11651
Name	OJ990330_01.9923.C2.o2.gp	Method	AAT/GAP
Start	2976	End	3295

GI	72524_1.R1084	Score	432
Exons	2976..3295		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23458	Strand	+
Start	391	End	11651
Name	OJ990330_01.9923.C2.o3.gs	Method	GENSCAN
Start	4058	End	11651
GI	none	Score	.71
Exons	4058..4653, 5523..5933, 6041..6177, 6260..6477, 6494..6565, 6586..6777, 7082..7372, 8298..8354, 9415..9542, 10250..10402, 10728..10829, 11405..11651		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23459	Strand	+
Start	21594	End	25246
Name	OJ990330_01.9923.C2.o5.gs	Method	GENSCAN
Start	21594	End	25246
GI	none	Score	.69
Exons	21594..21724, 24766..24793, 25025..25246		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23460	Strand	-
Start	2986	End	3095
Name	OJ990330_01.9923.C2.o1.gp	Method	AAT/GAP
Start	2986	End	3095
GI	5816518	Score	159
Exons	2986..3095		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23461	Strand	-
Start	9023	End	9328
Name	OJ990330_01.9923.C2.o3.gp	Method	AAT/GAP
Start	9023	End	9128
GI	5816518	Score	154
Exons	9023..9128		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23461	Strand	-
Start	9023	End	9328
Name	OJ990330_01.9923.C2.o4.gp	Method	AAT/GAP
Start	9023	End	9328
GI	72524_1.R1084	Score	431
Exons	9023..9328		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23462	Strand	-
Start	11907	End	19755
Name	OJ990330_01.9923.C2.o4.gs	Method	GENSCAN

Start	11907	End	19755
GI	none	Score	.4
Exons	11907..11929, 12058..12511, 12558..12741, 14165..14370, 14409..14593, 15465..15528, 15652..15768, 17674..17757, 18702..18923, 19747..19755		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23463	Strand	-
Start	29288	End	30890
Name	OJ990330_01.9923.C2.o2.np	Method	AAT/NAP
Start	29288	End	30890
GI	2443320	Score	2399
Exons	29288..30890		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23463	Strand	-
Start	29288	End	30890
Name	OJ990330_01.9923.C2.o2.ts	Method	TBLASTX:Soybean
Start	29306	End	29917
GI	none	Score	66
Exons	29306..29527, 29555..29917, 29568..29723		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23463	Strand	-
Start	29288	End	30890
Name	OJ990330_01.9923.C2.o2.tw	Method	TBLASTX:Wheat
Start	29327	End	29815
GI	none	Score	360
Exons	29327..29815, 29328..29810, 29452..29814		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23463	Strand	-
Start	29288	End	30890
Name	OJ990330_01.9923.C2.o2.tm	Method	TBLASTX:Maize
Start	29339	End	29917
GI	none	Score	209
Exons	29339..29533, 29552..29917		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23463	Strand	-
Start	29288	End	30890
Name	OJ990330_01.9923.C2.o1.tw	Method	TBLASTX:Wheat
Start	29888	End	30689
GI	none	Score	325
Exons	29888..30352, 29889..30368, 30277..30678, 30338..30685, 30338..30688, 30342..30689		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23463	Strand	-
Start	29288	End	30890
Name	OJ990330_01.9923.C2.o1.tm	Method	TBLASTX:Maize
Start	30251	End	30683
GI	none	Score	160
Exons	30251..30664, 30339..30683		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2

Gene No.	23463	Strand	-
Start	29288	End	30890
Name	OJ990330_01.9923.C2.o1.ts	Method	TBLASTX:Soybean
Start	30369	End	30817
GI	5509260	Score	102
Exons	30369..30527, 30380..30817, 30561..30764		
GI Descrip.	-		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23463	Strand	-
Start	29288	End	30890
Name	OJ990330_01.9923.C2.o1.tc	Method	TBLASTX:Cress
Start	30464	End	30728
GI	none	Score	106
Exons	30464..30727, 30552..30728		

Seq. No.	11040	Seq. ID	OJ990330_01.9923.C2
Gene No.	23463	Strand	-
Start	29288	End	30890
Name	OJ990330_01.9923.C2.o3.tw	Method	TBLASTX:Wheat
Start	30690	End	30883
GI	none	Score	121
Exons	30690..30839, 30690..30875, 30692..30874, 30692..30883		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23464	Strand	+
Start	9084	End	11045
Name	OJ990330_01.9923.C3.o2.np	Method	AAT/NAP
Start	9084	End	11045
GI	6742729	Score	2882
Exons	9084..11045		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23465	Strand	-
Start	268	End	2944
Name	OJ990330_01.9923.C3.o1.gs	Method	GENSCAN
Start	268	End	2944
GI	none	Score	.42
Exons	268..394, 547..1133, 1864..2229, 2798..2944		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23465	Strand	-
Start	268	End	2944
Name	OJ990330_01.9923.C3.o1.np	Method	AAT/NAP
Start	2083	End	2487
GI	2462640	Score	431
Exons	2083..2487		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23466	Strand	-
Start	5527	End	6163
Name	OJ990330_01.9923.C3.o2.gs	Method	GENSCAN
Start	5527	End	6163
GI	none	Score	.82
Exons	5527..5755, 6081..6163		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23467	Strand	-
Start	13070	End	15862
Name	OJ990330_01.9923.C3.o4.gs	Method	GENSCAN
Start	13070	End	15862
GI	none	Score	.81
Exons	13070..13105, 13336..13446, 14780..14995, 15491..15862		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o5.tm	Method	TBLASTX:Maize
Start	666	End	1058
GI	none	Score	63
Exons	666..989, 912..980, 975..1058		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o4.tm	Method	TBLASTX:Maize
Start	1270	End	1676
GI	none	Score	75
Exons	1270..1386, 1399..1503, 1406..1501, 1484..1558, 1500..1571, 1578..1676		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o5.tw	Method	TBLASTX:Wheat
Start	1271	End	1504
GI	none	Score	138
Exons	1271..1504, 1282..1494		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o1.tm	Method	TBLASTX:Maize
Start	1680	End	2466
GI	none	Score	245
Exons	1680..1850, 1846..1971, 2029..2466		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o3.tw	Method	TBLASTX:Wheat
Start	8577	End	8967
GI	none	Score	95
Exons	8577..8729, 8712..8963, 8720..8962, 8722..8967		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o1.ts	Method	TBLASTX:Soybean
Start	8894	End	9323
GI	none	Score	100
Exons	8894..8959, 8895..8969, 9027..9323, 9059..9310		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o2.tc	Method	TBLASTX:Cress
Start	9056	End	9404
GI	none	Score	300
Exons	9056..9208, 9063..9404, 9257..9385		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o2.tw	Method	TBLASTX:Wheat
Start	9192	End	9661
GI	none	Score	73
Exons	9192..9248, 9200..9244, 9245..9346, 9246..9350, 9354..9452, 9359..9451, 9362..9454, 9432..9656, 9452..9661, 9453..9656, 9455..9661		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o2.tm	Method	TBLASTX:Maize
Start	9237	End	9695
GI	none	Score	238
Exons	9237..9491, 9249..9491, 9501..9695		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o2.ts	Method	TBLASTX:Soybean
Start	9525	End	9767
GI	none	Score	216
Exons	9525..9767		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o4.tw	Method	TBLASTX:Wheat
Start	9800	End	10205
GI	none	Score	79
Exons	9800..9850, 9801..9863, 9849..10091, 9869..10051, 9880..10092, 10120..10197, 10125..10205		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o3.tm	Method	TBLASTX:Maize
Start	10188	End	10568
GI	none	Score	40
Exons	10188..10238, 10254..10568, 10265..10540, 10338..10547		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o1.tw	Method	TBLASTX:Wheat
Start	10211	End	10992

GI	none	Score	748
Exons	10211..10987, 10212..10988, 10696..10992		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o1.tc	Method	TBLASTX:Cress
Start	10499	End	10947
GI	none	Score	125
Exons	10499..10912, 10499..10942, 10503..10946, 10696..10947, 10797..10946		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o5.gs	Method	GENSCAN
Start	16911	End	21939
GI	none	Score	.48
Exons	16911..17024, 17401..17549, 18240..18460, 18957..19006, 19256..19498, 19558..19750, 19894..20009, 20117..20260, 20984..21243, 21425..21631, 21834..21939		

Seq. No.	11041	Seq. ID	OJ990330_01.9923.C3
Gene No.	23468	Strand	-
Start	16911	End	23832
Name	OJ990330_01.9923.C3.o3.np	Method	AAT/NAP
Start	17389	End	23832
GI	81286	Score	80
Exons	17389..17586, 19692..19805, 20922..21052, 23744..23832		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23469	Strand	+
Start	1	End	14343
Name	OJ990330_01.9923.C4.o1.np	Method	AAT/NAP
Start	1	End	14103
GI	6523547	Score	124
Exons	1..328, 581..714, 858..909, 12402..12486, 13939..14103		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23469	Strand	+
Start	1	End	14343
Name	OJ990330_01.9923.C4.o1.gs	Method	GENSCAN
Start	160	End	957
GI	none	Score	.68
Exons	160..401, 443..608, 733..957		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23469	Strand	+
Start	1	End	14343
Name	OJ990330_01.9923.C4.o3.gs	Method	GENSCAN
Start	6940	End	14343
GI	none	Score	.63
Exons	6940..7168, 10208..10351, 12471..12502, 12609..12718,		

12839..12922, 13114..13849, 13897..14343

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23469	Strand	+
Start	1	End	14343
Name	OJ990330_01.9923.C4.o2.np	Method	AAT/NAP
Start	13499	End	13669
GI	479357	Score	87
Exons	13499..13669		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23470	Strand	+
Start	16148	End	16322
Name	OJ990330_01.9923.C4.o3.np	Method	AAT/NAP
Start	16148	End	16322
GI	82523	Score	208
Exons	16148..16322		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice chloroplast gi|12034|emb|CAA33940| (X15901) ORF249 [Oryza sativa] gi|12068|emb|CAA33921| (X15901) ORF249 [Oryza sativa] gi|226655|prf||1603356CF ORF 249 [Oryza sativa]		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23471	Strand	-
Start	5319	End	6104
Name	OJ990330_01.9923.C4.o2.gs	Method	GENSCAN
Start	5319	End	6104
GI	none	Score	.83
Exons	5319..5509, 6020..6104		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23472	Strand	-
Start	16411	End	17981
Name	OJ990330_01.9923.C4.o4.gs	Method	GENSCAN
Start	16411	End	17981
GI	none	Score	.49
Exons	16411..16590, 16995..17239, 17927..17981		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23473	Strand	-
Start	19321	End	34637
Name	OJ990330_01.9923.C4.o5.gs	Method	GENSCAN
Start	19321	End	34637
GI	none	Score	.51
Exons	19321..19439, 21103..21232, 23528..23667, 23715..23825, 25581..25722, 25808..26127, 26832..27201, 27332..27354, 27470..27725, 27818..27911, 27957..28094, 28187..28248, 28465..28485, 28566..28684, 28718..28979, 29084..29253, 29277..29431, 29544..29660, 30081..30730, 30874..31456, 31766..32418, 32550..32755, 33014..33088, 33419..33557, 34530..34637		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23473	Strand	-
Start	19321	End	34637

Name	OJ990330_01.9923.C4.o4.np	Method	AAT/NAP
Start	26815	End	32286
GI	5441880	Score	2505
Exons	26815..27032, 27326..27579, 27818..28082, 28187..28485, 29065..29398, 29507..29646, 30218..30544, 30803..30834, 31278..32286		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23473	Strand	-
Start	19321	End	34637
Name	OJ990330_01.9923.C4.o1.gp	Method	AAT/GAP
Start	27139	End	27586
GI	LIB3433-020-P1-K1-A6	Score	699
Exons	27139..27586		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23473	Strand	-
Start	19321	End	34637
Name	OJ990330_01.9923.C4.o1.tw	Method	TBLASTX:Wheat
Start	31051	End	31434
GI	none	Score	71
Exons	31051..31224, 31062..31202, 31157..31225, 31249..31434, 31274..31402		

Seq. No.	11042	Seq. ID	OJ990330_01.9923.C4
Gene No.	23473	Strand	-
Start	19321	End	34637
Name	OJ990330_01.9923.C4.o1.tm	Method	TBLASTX:Maize
Start	31126	End	31638
GI	none	Score	119
Exons	31126..31197, 31244..31405, 31255..31416, 31450..31638, 31452..31637		

Seq. No.	11043	Seq. ID	OJ990330_01.9923.C5
Gene No.	23474	Strand	-
Start	1	End	3049
Name	OJ990330_01.9923.C5.o1.np	Method	AAT/NAP
Start	1	End	958
GI	6498436	Score	412
Exons	1..92, 194..705, 754..958		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	11043	Seq. ID	OJ990330_01.9923.C5
Gene No.	23474	Strand	-
Start	1	End	3049
Name	OJ990330_01.9923.C5.o2.np	Method	AAT/NAP
Start	1	End	3049
GI	6705984	Score	426
Exons	1..60, 1008..1548, 3013..3049		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	11043	Seq. ID	OJ990330_01.9923.C5

Gene No.	23474	Strand	-
Start	1	End	3049
Name	OJ990330_01.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	1037	End	1283
GI	none	Score	112
Exons	1037..1255, 1049..1282, 1149..1283		

Seq. No.	11043	Seq. ID	OJ990330_01.9923.C5
Gene No.	23474	Strand	-
Start	1	End	3049
Name	OJ990330_01.9923.C5.o1.ts	Method	TBLASTX:Soybean
Start	1052	End	1471
GI	none	Score	55
Exons	1052..1210, 1089..1193, 1202..1363, 1202..1471, 1206..1430		

Seq. No.	11043	Seq. ID	OJ990330_01.9923.C5
Gene No.	23474	Strand	-
Start	1	End	3049
Name	OJ990330_01.9923.C5.o1.tw	Method	TBLASTX:Wheat
Start	1062	End	1510
GI	none	Score	108
Exons	1062..1223, 1064..1234, 1174..1224, 1241..1510, 1253..1447, 1266..1475		

Seq. No.	11043	Seq. ID	OJ990330_01.9923.C5
Gene No.	23474	Strand	-
Start	1	End	3049
Name	OJ990330_01.9923.C5.o1.gp	Method	AAT/GAP
Start	2748	End	2851
GI	LIB3477-003-P1-K1-E9	Score	118
Exons	2748..2851		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11044	Seq. ID	OJ990330_01.9923.C6
Gene No.	23475	Strand	+
Start	3060	End	3491
Name	OJ990330_01.9923.C6.o1.gp	Method	AAT/GAP
Start	3060	End	3491
GI	LIB3479-006-Q6-K1-B11	Score	718
Exons	3060..3491		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	11044	Seq. ID	OJ990330_01.9923.C6
Gene No.	23476	Strand	-
Start	89	End	7141
Name	OJ990330_01.9923.C6.o1.gs	Method	GENSCAN
Start	89	End	1068
GI	none	Score	.41
Exons	89..247, 343..730, 902..1068		

Seq. No.	11044	Seq. ID	OJ990330_01.9923.C6
Gene No.	23476	Strand	-
Start	89	End	7141
Name	OJ990330_01.9923.C6.o1.np	Method	AAT/NAP

Start	211	End	3533
GI	6721512	Score	75
Exons	211..232, 1724..1798, 1826..1939, 3509..3533		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11044	Seq. ID	OJ990330_01.9923.C6
Gene No.	23476	Strand	-
Start	89	End	7141
Name	OJ990330_01.9923.C6.o2.np	Method	AAT/NAP
Start	1290	End	3266
GI	6539570	Score	216
Exons	1290..1307, 2856..2922, 3073..3266		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11044	Seq. ID	OJ990330_01.9923.C6
Gene No.	23476	Strand	-
Start	89	End	7141
Name	OJ990330_01.9923.C6.o2.gs	Method	GENSCAN
Start	1919	End	6390
GI	none	Score	.57
Exons	1919..2082, 2698..2813, 2856..2876, 3578..3753, 3800..3916, 4335..4542, 4945..5231, 5275..5333, 5489..5577, 5777..6390		

Seq. No.	11044	Seq. ID	OJ990330_01.9923.C6
Gene No.	23476	Strand	-
Start	89	End	7141
Name	OJ990330_01.9923.C6.o3.np	Method	AAT/NAP
Start	3403	End	4747
GI	6630699	Score	93
Exons	3403..3480, 4707..4747		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11044	Seq. ID	OJ990330_01.9923.C6
Gene No.	23476	Strand	-
Start	89	End	7141
Name	OJ990330_01.9923.C6.o4.np	Method	AAT/NAP
Start	5194	End	7141
GI	4680204	Score	707
Exons	5194..5630, 5725..6980, 7111..7141		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	11044	Seq. ID	OJ990330_01.9923.C6
Gene No.	23476	Strand	-
Start	89	End	7141
Name	OJ990330_01.9923.C6.o1.tw	Method	TBLASTX:Wheat
Start	6115	End	6515
GI	none	Score	45
Exons	6115..6219, 6115..6285, 6275..6415, 6283..6414, 6319..6417, 6396..6515		

Seq. No.	11045	Seq. ID	OJ990810_09.9920.C1
Gene No.	23477	Strand	+
Start	264	End	1266
Name	OJ990810_09.9920.C1.o1.gs	Method	GENSCAN
Start	264	End	1266

GI	none	Score	.86
Exons	264..271, 538..714, 870..1266		

Seq. No.	11045	Seq. ID	OJ990810_09.9920.C1
Gene No.	23478	Strand	+
Start	1807	End	5323
Name	OJ990810_09.9920.C1.o2.gs	Method	GENSCAN
Start	1807	End	5323
GI	none	Score	.43
Exons	1807..1884, 2231..2474, 4707..4756, 5204..5239, 5285..5323		

Seq. No.	11045	Seq. ID	OJ990810_09.9920.C1
Gene No.	23479	Strand	-
Start	6190	End	9167
Name	OJ990810_09.9920.C1.o3.gs	Method	GENSCAN
Start	6190	End	9167
GI	none	Score	.64
Exons	6190..6302, 7277..7351, 7911..7976, 8334..8383, 8561..8600, 8912..9065, 9099..9167		

Seq. No.	11045	Seq. ID	OJ990810_09.9920.C1
Gene No.	23480	Strand	-
Start	9893	End	10014
Name	OJ990810_09.9920.C1.o1.np	Method	AAT/NAP
Start	9893	End	10014
GI	6539553	Score	124
Exons	9893..10014		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	11046	Seq. ID	OJ990810_09.9920.C3
Gene No.	23481	Strand	-
Start	266	End	390
Name	OJ990810_09.9920.C3.o1.gs	Method	GENSCAN
Start	266	End	390
GI	none	Score	.76
Exons	266..390		

Seq. No.	11047	Seq. ID	OJ990810_09.9920.C4
Gene No.	23482	Strand	-
Start	1	End	1374
Name	OJ990810_09.9920.C4.o1.gp	Method	AAT/GAP
Start	1	End	1374
GI	342_1.R1084	Score	2242
Exons	1..1374		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	11047	Seq. ID	OJ990810_09.9920.C4
Gene No.	23482	Strand	-
Start	1	End	1374
Name	OJ990810_09.9920.C4.o1.gs	Method	GENSCAN
Start	168	End	1016
GI	none	Score	.93
Exons	168..1016		

Seq. No.	11047	Seq. ID	OJ990810_09.9920.C4
Gene No.	23482	Strand	-
Start	1	End	1374
Name	OJ990810_09.9920.C4.o1.np	Method	AAT/NAP
Start	189	End	1374
GI	4680203	Score	897
Exons	189..1160, 1301..1374		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11047	Seq. ID	OJ990810_09.9920.C4
Gene No.	23482	Strand	-
Start	1	End	1374
Name	OJ990810_09.9920.C4.o1.tw	Method	TBLASTX:Wheat
Start	243	End	1357
GI	none	Score	53
Exons	243..335, 244..309, 324..404, 409..489, 417..557, 418..558, 505..600, 537..596, 603..644, 608..643, 642..1037, 658..978, 1044..1160, 1045..1236, 1138..1197, 1194..1352, 1196..1357, 1197..1349		

Seq. No.	11047	Seq. ID	OJ990810_09.9920.C4
Gene No.	23482	Strand	-
Start	1	End	1374
Name	OJ990810_09.9920.C4.o1.tc	Method	TBLASTX:Cress
Start	825	End	1268
GI	none	Score	91
Exons	825..1037, 825..1037, 829..1038, 1044..1160, 1045..1236, 1138..1197, 1196..1264, 1197..1268		

Seq. No.	11047	Seq. ID	OJ990810_09.9920.C4
Gene No.	23482	Strand	-
Start	1	End	1374
Name	OJ990810_09.9920.C4.o2.np	Method	AAT/NAP
Start	936	End	1374
GI	5724773	Score	164
Exons	936..1374		
GI Descrip.	(AF160183) contains similarity to Antirrhinum majus hypothetical protein TNP2 (GB:X57297); may be a pseudogene [Arabidopsis thaliana]		

Seq. No.	11048	Seq. ID	OJ990810_09.9920.C5
Gene No.	23483	Strand	+
Start	575	End	1102
Name	OJ990810_09.9920.C5.o1.tm	Method	TBLASTX:Maize
Start	374	End	683
GI	none	Score	142
Exons	374..571, 558..683		

Seq. No.	11048	Seq. ID	OJ990810_09.9920.C5
Gene No.	23483	Strand	+
Start	575	End	1102
Name	OJ990810_09.9920.C5.o1.gs	Method	GENSCAN
Start	575	End	1102
GI	none	Score	.65
Exons	575..769, 933..1102		

Seq. No.	11049	Seq. ID	OJ990810_09.9920.C6
Gene No.	23484	Strand	-
Start	1066	End	5273
Name	OJ990810_09.9920.C6.o1.np	Method	AAT/NAP
Start	1066	End	5273
GI	5734709	Score	66
Exons	1066..1096, 4065..4240, 4976..5273		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	11050	Seq. ID	OJ990810_09.9920.C7
Gene No.	23485	Strand	+
Start	4508	End	6768
Name	OJ990810_09.9920.C7.o1.np	Method	AAT/NAP
Start	4508	End	6768
GI	6063554	Score	453
Exons	4508..4752, 5030..5217, 5785..5813, 6594..6768		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11050	Seq. ID	OJ990810_09.9920.C7
Gene No.	23486	Strand	
Start	7557	End	7926
Name	OJ990810_09.9920.C7.o1.tm	Method	TBLASTX:Maize
Start	7557	End	7926
GI	none	Score	148
Exons	7557..7682, 7558..7683, 7708..7926, 7713..7829		

Seq. No.	11051	Seq. ID	OJ990810_09.9920.C8
Gene No.	23487	Strand	-
Start	9	End	955
Name	OJ990810_09.9920.C8.o1.np	Method	AAT/NAP
Start	9	End	955
GI	5852182	Score	422
Exons	9..338, 929..955		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	11051	Seq. ID	OJ990810_09.9920.C8
Gene No.	23487	Strand	-
Start	9	End	955
Name	OJ990810_09.9920.C8.o1.gp	Method	AAT/GAP
Start	199	End	786
GI	2310235	Score	308
Exons	199..338, 749..786		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23488	Strand	+
Start	2895	End	8755
Name	OJ990810_09.9920.C9.o1.gs	Method	GENSCAN
Start	2895	End	8755
GI	none	Score	.58
Exons	2895..2903, 3786..3858, 3927..4044, 4119..4249, 5161..5299, 6966..7090, 7928..8116, 8242..8422, 8463..8514, 8582..8755		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23489	Strand	+
Start	21000	End	23299
Name	OJ990810_09.9920.C9.o5.np	Method	AAT/NAP
Start	21000	End	23299
GI	6539553	Score	3102
Exons	21000..23299		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o1.np	Method	AAT/NAP
Start	8829	End	13719
GI	4206306	Score	2503
Exons	8829..8852, 10253..13719		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o4.ts	Method	TBLASTX:Soybean
Start	10410	End	10760
GI	none	Score	80
Exons	10410..10634, 10641..10760		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o7.tm	Method	TBLASTX:Maize
Start	10425	End	10595
GI	none	Score	154
Exons	10425..10595, 10426..10593		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o6.tw	Method	TBLASTX:Wheat
Start	10557	End	10946
GI	none	Score	228
Exons	10557..10946		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o2.tm	Method	TBLASTX:Maize
Start	10596	End	11057
GI	none	Score	50
Exons	10596..11057, 10597..10689, 10780..10956		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o3.tw	Method	TBLASTX:Wheat

Start	11256	End	11688
GI	none	Score	126
Exons	11256..11687, 11263..11547, 11575..11688		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o3.ts	Method	TBLASTX:Soybean
Start	11326	End	11687
GI	none	Score	86
Exons	11326..11550, 11331..11687		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o7.tw	Method	TBLASTX:Wheat
Start	11753	End	12130
GI	none	Score	103
Exons	11753..11878, 11963..12130		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o2.ts	Method	TBLASTX:Soybean
Start	11937	End	12338
GI	none	Score	49
Exons	11937..12029, 11954..12160, 12141..12338, 12145..12288		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o2.np	Method	AAT/NAP
Start	12045	End	16923
GI	4680183	Score	600
Exons	12045..12198, 12424..12805, 12893..12935, 13369..13836, 13955..14621, 16842..16923		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o4.tm	Method	TBLASTX:Maize
Start	12138	End	12440
GI	none	Score	156
Exons	12138..12440, 12163..12330		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o2.tw	Method	TBLASTX:Wheat
Start	12180	End	12599
GI	none	Score	103
Exons	12180..12599, 12181..12396, 12430..12573		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481

Name	OJ990810_09.9920.C9.o1.tm	Method	TBLASTX:Maize
Start	12468	End	12825
GI	none	Score	211
Exons	12468..12824, 12469..12825		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o5.ts	Method	TBLASTX:Soybean
Start	12549	End	12914
GI	none	Score	111
Exons	12549..12683, 12690..12914		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o4.tw	Method	TBLASTX:Wheat
Start	12600	End	12953
GI	none	Score	115
Exons	12600..12953, 12601..12735		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o1.gp	Method	AAT/GAP
Start	15119	End	15223
GI	uC-osflcyp088b12b1	Score	140
Exons	15119..15223		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o3.np	Method	AAT/NAP
Start	16801	End	17731
GI	5139695	Score	152
Exons	16801..16949, 17169..17731		
GI Descrip.	(AB029147) expressed in cucumber hypocotyls [Cucumis sativus]		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o4.np	Method	AAT/NAP
Start	16879	End	21481
GI	4539386	Score	204
Exons	16879..18121, 21463..21481		
GI Descrip.	(AL035526) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o3.gs	Method	GENSCAN
Start	18803	End	21388
GI	none	Score	.67
Exons	18803..19297, 19425..19556, 19806..19990, 20253..20391, 20580..20855, 21386..21388		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o5.tw	Method	TBLASTX:Wheat
Start	20967	End	21381
GI	none	Score	271
Exons	20967..21011, 20985..21380, 21005..21220, 21118..21381, 21180..21374, 21248..21379		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23490	Strand	-
Start	8829	End	21481
Name	OJ990810_09.9920.C9.o5.tm	Method	TBLASTX:Maize
Start	21129	End	21442
GI	none	Score	302
Exons	21129..21440, 21137..21442		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23491	Strand	
Start	21941	End	22255
Name	OJ990810_09.9920.C9.o3.tm	Method	TBLASTX:Maize
Start	21941	End	22255
GI	none	Score	114
Exons	21941..22039, 21950..22036, 21964..22041, 21966..22040, 21966..22046, 21967..22047, 22038..22253, 22041..22253, 22042..22254, 22172..22255		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23492	Strand	
Start	22563	End	23285
Name	OJ990810_09.9920.C9.o6.tm	Method	TBLASTX:Maize
Start	22563	End	23075
GI	none	Score	169
Exons	22563..22889, 22893..23075		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23492	Strand	
Start	22563	End	23285
Name	OJ990810_09.9920.C9.o1.ts	Method	TBLASTX:Soybean
Start	22680	End	23075
GI	none	Score	152
Exons	22680..22901, 22902..23075		

Seq. No.	11052	Seq. ID	OJ990810_09.9920.C9
Gene No.	23492	Strand	
Start	22563	End	23285
Name	OJ990810_09.9920.C9.o1.tw	Method	TBLASTX:Wheat
Start	22719	End	23285
GI	none	Score	510
Exons	22719..23285, 22733..22849, 22752..22853, 22861..23190, 22910..23209		

Seq. No.	11053	Seq. ID	OJ990810_09.9920.C10
Gene No.	23493	Strand	-
Start	1	End	2386
Name	OJ990810_09.9920.C10.o1.np	Method	AAT/NAP

Start	1	End	2386
GI	4680204	Score	930
Exons	1..52, 266..875, 950..2386		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	11053	Seq. ID	OJ990810_09.9920.C10
Gene No.	23493	Strand	-
Start	1	End	2386
Name	OJ990810_09.9920.C10.o1.gs	Method	GENSCAN
Start	116	End	2371
GI	none	Score	.67
Exons	116..461, 463..608, 734..838, 988..1069, 1115..1398, 1512..2371		

Seq. No.	11053	Seq. ID	OJ990810_09.9920.C10
Gene No.	23493	Strand	-
Start	1	End	2386
Name	OJ990810_09.9920.C10.o1.tw	Method	TBLASTX:Wheat
Start	1340	End	1742
GI	none	Score	42
Exons	1340..1435, 1340..1444, 1499..1639, 1504..1740, 1591..1740, 1602..1742, 1626..1742		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23494	Strand	+
Start	1	End	3934
Name	OJ990810_09.9920.C11.o1.np	Method	AAT/NAP
Start	1	End	3931
GI	4680179	Score	5190
Exons	1..523, 551..3931		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23494	Strand	+
Start	1	End	3934
Name	OJ990810_09.9920.C11.o1.gs	Method	GENSCAN
Start	60	End	3934
GI	none	Score	.65
Exons	60..3934		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o8.tw	Method	TBLASTX:Wheat
Start	2	End	274
GI	none	Score	233
Exons	2..274		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o6.tm	Method	TBLASTX:Maize
Start	5	End	229
GI	none	Score	180
Exons	5..229		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-

Start	4199	End	4563
Name	OJ990810_09.9920.C11.o7.tw	Method	TBLASTX:Wheat
Start	608	End	961
GI	none	Score	254
Exons	608..961		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o4.tw	Method	TBLASTX:Wheat
Start	1093	End	1576
GI	none	Score	537
Exons	1093..1533, 1094..1576		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o4.ts	Method	TBLASTX:Soybean
Start	1130	End	1447
GI	none	Score	203
Exons	1130..1447		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o4.tm	Method	TBLASTX:Maize
Start	1159	End	1606
GI	none	Score	369
Exons	1159..1401, 1163..1606		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o1.ts	Method	TBLASTX:Soybean
Start	1517	End	1912
GI	none	Score	57
Exons	1517..1549, 1519..1548, 1553..1606, 1555..1596, 1561..1716, 1652..1882, 1661..1912, 1669..1902		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o5.tm	Method	TBLASTX:Maize
Start	1661	End	1990
GI	none	Score	303
Exons	1661..1990, 1714..1953		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o5.tw	Method	TBLASTX:Wheat
Start	1664	End	1927
GI	none	Score	373
Exons	1664..1927, 1666..1926		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-

Start	4199	End	4563
Name	OJ990810_09.9920.C11.o3.tw	Method	TBLASTX:Wheat
Start	1928	End	2353
GI	none	Score	583
Exons	1928..2353, 2005..2346		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o3.ts	Method	TBLASTX:Soybean
Start	1934	End	2182
GI	none	Score	204
Exons	1934..2182		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o2.tm	Method	TBLASTX:Maize
Start	2000	End	2353
GI	none	Score	466
Exons	2000..2353, 2005..2346		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o2.tw	Method	TBLASTX:Wheat
Start	2381	End	2920
GI	none	Score	620
Exons	2381..2920, 2563..2907		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o1.tc	Method	TBLASTX:Cress
Start	2618	End	2944
GI	none	Score	90
Exons	2618..2800, 2801..2944, 2803..2943		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o2.ts	Method	TBLASTX:Soybean
Start	2708	End	2968
GI	none	Score	300
Exons	2708..2968, 2719..2967		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o3.tm	Method	TBLASTX:Maize
Start	2766	End	3058
GI	none	Score	88
Exons	2766..2867, 2766..2957, 2767..3054, 2768..3058		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563

Name	OJ990810_09.9920.C11.o1.tw	Method	TBLASTX:Wheat
Start	2927	End	3553
GI	none	Score	717
Exons	2927..3553, 2983..3432, 2987..3544, 3493..3552		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o1.tm	Method	TBLASTX:Maize
Start	3106	End	3691
GI	none	Score	223
Exons	3106..3261, 3107..3268, 3265..3429, 3266..3691, 3425..3670, 3493..3690		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o6.tw	Method	TBLASTX:Wheat
Start	3553	End	3886
GI	none	Score	304
Exons	3553..3834, 3554..3886		

Seq. No.	11054	Seq. ID	OJ990810_09.9920.C11
Gene No.	23495	Strand	-
Start	4199	End	4563
Name	OJ990810_09.9920.C11.o2.gs	Method	GENSCAN
Start	4199	End	4563
GI	none	Score	.97
Exons	4199..4321, 4465..4563		

Seq. No.	11055	Seq. ID	OJ990810_09.9920.C16
Gene No.	23496	Strand	+
Start	1	End	287
Name	OJ990810_09.9920.C16.o1.np	Method	AAT/NAP
Start	1	End	287
GI	6539553	Score	367
Exons	1..287		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23497	Strand	+
Start	493	End	13462
Name	OJ990810_09.9920.C17.o1.gs	Method	GENSCAN
Start	493	End	4483
GI	none	Score	.67
Exons	493..615, 2163..2257, 2262..2370, 3746..3845, 4209..4263, 4304..4483		

Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23497	Strand	+
Start	493	End	13462
Name	OJ990810_09.9920.C17.o5.np	Method	AAT/NAP
Start	2455	End	13462
GI	6063554	Score	183

Exons	2455..2489, 7858..8292, 11901..12073, 12158..12230, 13288..13462		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23497	Strand	+
Start	493	End	13462
Name	OJ990810_09.9920.C17.o1.gp	Method	AAT/GAP
Start	6364	End	6727
GI	7406_1.R1084	Score	464
Exons	6364..6727		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23497	Strand	+
Start	493	End	13462
Name	OJ990810_09.9920.C17.o2.gp	Method	AAT/GAP
Start	6364	End	6802
GI	7406_1.R1084	Score	581
Exons	6364..6693, 6728..6802		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23497	Strand	+
Start	493	End	13462
Name	OJ990810_09.9920.C17.o3.gs	Method	GENSCAN
Start	9072	End	10249
GI	none	Score	.46
Exons	9072..9204, 9795..10249		

Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23497	Strand	+
Start	493	End	13462
Name	OJ990810_09.9920.C17.o4.gs	Method	GENSCAN
Start	11644	End	12387
GI	none	Score	.85
Exons	11644..12387		

Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23498	Strand	-
Start	300	End	9282
Name	OJ990810_09.9920.C17.o1.np	Method	AAT/NAP
Start	300	End	6815
GI	6063557	Score	282
Exons	300..352, 3359..3506, 3756..3972, 6764..6815		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23498	Strand	-
Start	300	End	9282
Name	OJ990810_09.9920.C17.o3.np	Method	AAT/NAP
Start	4252	End	8116
GI	5441880	Score	1252
Exons	4252..4281, 7388..8116		

GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23498	Strand	-
Start	300	End	9282
Name	OJ990810_09.9920.C17.o2.gs	Method	GENSCAN
Start	6224	End	8569
GI	none	Score	.86
Exons	6224..6349, 7017..7183, 7363..8569		
Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23498	Strand	-
Start	300	End	9282
Name	OJ990810_09.9920.C17.o3.gp	Method	AAT/GAP
Start	6745	End	7198
GI	LIB3431-045-P1-N1-A10	Score	840
Exons	6745..7198		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23498	Strand	-
Start	300	End	9282
Name	OJ990810_09.9920.C17.o2.np	Method	AAT/NAP
Start	7252	End	8116
GI	5441880	Score	1256
Exons	7252..7282, 7388..8116		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23498	Strand	-
Start	300	End	9282
Name	OJ990810_09.9920.C17.o4.gp	Method	AAT/GAP
Start	7384	End	7512
GI	5701669	Score	230
Exons	7384..7512		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23498	Strand	-
Start	300	End	9282
Name	OJ990810_09.9920.C17.o4.np	Method	AAT/NAP
Start	8129	End	9282
GI	6721543	Score	174
Exons	8129..8245, 9153..9282		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23498	Strand	-
Start	300	End	9282
Name	OJ990810_09.9920.C17.o5.gp	Method	AAT/GAP

Start	9023	End	9175
GI	7406_1.R1084	Score	225
Exons	9023..9175		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	11056	Seq. ID	OJ990810_09.9920.C17
Gene No.	23499	Strand	-
Start	15276	End	16009
Name	OJ990810_09.9920.C17.o5.gs	Method	GENSCAN
Start	15276	End	16009
GI	none	Score	.88
Exons	15276..15461, 15594..15639, 15899..16009		

Seq. No.	11057	Seq. ID	OJ990810_09.9920.C18
Gene No.	23500	Strand	+
Start	1009	End	1809
Name	OJ990810_09.9920.C18.o1.gs	Method	GENSCAN
Start	1009	End	1809
GI	none	Score	.95
Exons	1009..1809		

Seq. No.	11057	Seq. ID	OJ990810_09.9920.C18
Gene No.	23500	Strand	+
Start	1009	End	1809
Name	OJ990810_09.9920.C18.o1.np	Method	AAT/NAP
Start	1009	End	1806
GI	4512231	Score	1325
Exons	1009..1806		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	11057	Seq. ID	OJ990810_09.9920.C18
Gene No.	23501	Strand	+
Start	1751	End	2407
Name	OJ990810_09.9920.C18.o2.np	Method	AAT/NAP
Start	1751	End	2407
GI	4680179	Score	223
Exons	1751..1796, 2076..2407		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11057	Seq. ID	OJ990810_09.9920.C18
Gene No.	23501	Strand	+
Start	1751	End	2407
Name	OJ990810_09.9920.C18.o2.gs	Method	GENSCAN
Start	2076	End	2375
GI	none	Score	.92
Exons	2076..2375		

Seq. No.	11058	Seq. ID	OJ990810_09.9920.C19
Gene No.	23502	Strand	-
Start	343	End	411
Name	OJ990810_09.9920.C19.o1.gs	Method	GENSCAN
Start	343	End	411
GI	none	Score	.69
Exons	343..411		

Seq. No.	11059	Seq. ID	OJ990810_06.9922.C1

Gene No.	23503	Strand	+
Start	334	End	432
Name	OJ990810_06.9922.C1.o1.gs	Method	GENSCAN
Start	334	End	432
GI	none	Score	.43
Exons	334..432		

Seq. No.	11059	Seq. ID	OJ990810_06.9922.C1
Gene No.	23504	Strand	-
Start	248	End	466
Name	OJ990810_06.9922.C1.o1.np	Method	AAT/NAP
Start	248	End	466
GI	2943742	Score	98
Exons	248..466		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	11060	Seq. ID	OJ990810_06.9922.C2
Gene No.	23505	Strand	+
Start	1	End	739
Name	OJ990810_06.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	739
GI	4680186	Score	195
Exons	1..38, 168..231, 414..597, 705..739		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23506	Strand	+
Start	1364	End	3191
Name	OJ990810_06.9922.C3.o2.gs	Method	GENSCAN
Start	1364	End	3191
GI	none	Score	.66
Exons	1364..1562, 2734..3191		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23507	Strand	+
Start	6296	End	8459
Name	OJ990810_06.9922.C3.o3.np	Method	AAT/NAP
Start	6080	End	7944
GI	6907086	Score	1404
Exons	6080..6845, 6903..7145, 7368..7450, 7555..7702, 7756..7944		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23507	Strand	+
Start	6296	End	8459
Name	OJ990810_06.9922.C3.o3.gs	Method	GENSCAN
Start	6296	End	6865
GI	none	Score	.78
Exons	6296..6865		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23507	Strand	+
Start	6296	End	8459
Name	OJ990810_06.9922.C3.o4.gs	Method	GENSCAN
Start	7418	End	8459
GI	none	Score	.74
Exons	7418..7507, 8349..8459		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23508	Strand	+
Start	10978	End	15407
Name	OJ990810_06.9922.C3.o5.gs	Method	GENSCAN
Start	10978	End	15407
GI	none	Score	.77
Exons	10978..11103, 11214..11360, 11691..11782, 11876..11972, 12983..13129, 13214..13361, 13453..13529, 13998..14069, 14454..14581, 14663..14822, 14922..15123, 15358..15407		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23509	Strand	-
Start	1	End	2443
Name	OJ990810_06.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	2443
GI	4678197	Score	1071
Exons	1..807, 1096..2036, 2064..2443		
GI Descrip.	(AC007134) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23509	Strand	-
Start	1	End	2443
Name	OJ990810_06.9922.C3.o1.gs	Method	GENSCAN
Start	166	End	879
GI	none	Score	.73
Exons	166..256, 308..465, 714..879		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23510	Strand	-
Start	4100	End	4223
Name	OJ990810_06.9922.C3.o2.np	Method	AAT/NAP
Start	4100	End	4223
GI	6069646	Score	111
Exons	4100..4223		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23511	Strand	-
Start	15905	End	16487
Name	OJ990810_06.9922.C3.o1.gp	Method	AAT/GAP
Start	15905	End	16487
GI	33381_1.R1084	Score	772
Exons	15905..16307, 16415..16487		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o6.tm	Method	TBLASTX:Maize
Start	38	End	413

GI	none	Score	99
Exons	38..412, 93..254, 321..413		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	93	End	578
GI	5509260	Score	111
Exons	93..254, 98..577, 300..578		
GI Descrip.	-		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	96	End	541
GI	none	Score	101
Exons	96..254, 104..436, 329..436, 470..541		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o2.tc	Method	TBLASTX:Cress
Start	194	End	463
GI	none	Score	138
Exons	194..463, 203..442, 213..449		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	1138	End	1812
GI	none	Score	70
Exons	1138..1734, 1148..1408, 1430..1666, 1744..1812		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o3.tc	Method	TBLASTX:Cress
Start	1174	End	1623
GI	none	Score	85
Exons	1174..1623, 1424..1621		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o6.ts	Method	TBLASTX:Soybean
Start	1177	End	1638
GI	none	Score	81
Exons	1177..1638, 1337..1564		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	1195	End	1803

GI	none	Score	62
Exons	1195..1317, 1312..1401, 1325..1402, 1417..1803, 1421..1786		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o7.tm	Method	TBLASTX:Maize
Start	1822	End	2166
GI	none	Score	84
Exons	1822..2028, 1827..1946, 1828..2064, 2095..2166, 2102..2146		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o9.tm	Method	TBLASTX:Maize
Start	10957	End	11912
GI	none	Score	110
Exons	10957..11106, 10968..11021, 11162..11368, 11214..11330, 11686..11778, 11690..11782, 11691..11747, 11692..11778, 11870..11911, 11874..11912		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	11913	End	14575
GI	none	Score	69
Exons	11913..11972, 12246..12293, 12247..12294, 12422..12502, 12423..12512, 12486..12563, 12797..12832, 12798..12890, 12799..12894, 12801..12899, 12972..13115, 12980..13129, 12980..13126, 12982..13134, 13009..13140, 13213..13362, 13214..13369, 13214..13381, 13439..13531, 13443..13547, 13464..13541, 13997..14068, 13998..14069, 14243..14308, 14437..14574, 14452..14574, 14453..14575		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	12799	End	13354
GI	none	Score	116
Exons	12799..12894, 12804..12896, 12972..13034, 12980..13129, 12980..13153, 13217..13354, 13219..13344		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o4.tm	Method	TBLASTX:Maize
Start	14663	End	15134
GI	none	Score	125
Exons	14663..14824, 14669..14824, 14694..14855, 14919..15134, 14920..15096, 14921..15097		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o7.ts	Method	TBLASTX:Soybean

Start	14714	End	15026
GI	none	Score	158
Exons	14714..14824, 14715..14825, 14727..14828, 14912..15025, 14919..15026		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o10.tm	Method	TBLASTX:Maize
Start	15897	End	16305
GI	none	Score	133
Exons	15897..15914, 16029..16079, 16093..16167, 16094..16174, 16094..16177, 16230..16295, 16234..16296, 16234..16305		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o6.gs	Method	GENSCAN
Start	16461	End	22219
GI	none	Score	.84
Exons	16461..16841, 16946..17041, 17410..17681, 17819..17993, 18004..18309, 18454..18555, 18688..19146, 19240..19428, 20041..20158, 20749..21023, 22136..22219		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o4.np	Method	AAT/NAP
Start	16467	End	22234
GI	2147484	Score	2651
Exons	16467..16841, 16946..17041, 17410..17681, 17819..17993, 18109..18309, 18454..18555, 18688..19146, 19240..19428, 20041..20158, 20749..20969, 22103..22234		
GI Descrip.	homeotic protein - Phalaenopsis sp gi|1173622 (U34743) homeobox protein [Phalaenopsis sp. 'hybrid SM9108']		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o5.ts	Method	TBLASTX:Soybean
Start	16470	End	16769
GI	none	Score	123
Exons	16470..16607, 16471..16593, 16662..16769, 16672..16767		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	16477	End	20822
GI	none	Score	123
Exons	16477..16596, 16482..16607, 16659..16802, 16672..16842, 16762..16836, 16947..17042, 16970..17044, 16974..17042, 17405..17683, 17410..17688, 17823..18002, 17827..17922, 17862..17996, 18103..18309, 18104..18310, 18451..18555, 18455..18565, 18664..18837, 18692..18802, 18871..18966, 19096..19149, 19103..19162, 19229..19423, 19237..19437, 20035..20175, 20040..20156, 20748..20801, 20790..20822		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	16488	End	18135
GI	none	Score	162
Exons	16488..16607, 16489..16596, 16491..16613, 16659..16802, 16662..16700, 16672..16842, 16738..16836, 16947..17042, 16948..17043, 16967..17044, 17399..17698, 17410..17688, 17803..17925, 17820..18002, 17862..18014, 18103..18135		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o8.ts	Method	TBLASTX:Soybean
Start	16771	End	17571
GI	none	Score	79
Exons	16771..16836, 16786..16836, 16959..17042, 16963..17043, 16970..17044, 17399..17569, 17410..17571		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	17615	End	18960
GI	none	Score	82
Exons	17615..17683, 17617..17688, 17815..17925, 17820..18002, 18104..18310, 18106..18309, 18340..18375, 18451..18555, 18451..18555, 18455..18565, 18455..18556, 18691..18825, 18692..18796, 18871..18915, 18871..18960		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o8.tm	Method	TBLASTX:Maize
Start	18136	End	18313
GI	none	Score	172
Exons	18136..18192, 18190..18303, 18194..18310, 18233..18313		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o2.gp	Method	AAT/GAP
Start	18708	End	19133
GI	5004265	Score	820
Exons	18708..19133		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o4.ts	Method	TBLASTX:Soybean
Start	19078	End	20118
GI	none	Score	60
Exons	19078..19167, 19097..19147, 19237..19437, 19256..19423, 20035..20118		

Seq. No.	11061	Seq. ID	OJ990810_06.9922.C3
Gene No.	23512	Strand	-
Start	16461	End	22234
Name	OJ990810_06.9922.C3.o5.tm	Method	TBLASTX:Maize
Start	19078	End	20118
GI	none	Score	66
Exons	19078..19149, 19097..19147, 19229..19423, 19237..19437, 19357..19434, 20035..20118		

Seq. No.	11062	Seq. ID	OJ990810_06.9922.C4
Gene No.	23513	Strand	-
Start	1154	End	2586
Name	OJ990810_06.9922.C4.o1.np	Method	AAT/NAP
Start	1154	End	2586
GI	6907088	Score	1100
Exons	1154..1536, 2036..2273, 2449..2586		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11063	Seq. ID	OJ990810_06.9922.C5
Gene No.	23514	Strand	+
Start	118	End	636
Name	OJ990810_06.9922.C5.o1.gs	Method	GENSCAN
Start	118	End	636
GI	none	Score	.97
Exons	118..127, 563..636		

Seq. No.	11063	Seq. ID	OJ990810_06.9922.C5
Gene No.	23515	Strand	-
Start	1	End	715
Name	OJ990810_06.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	715
GI	4680186	Score	100
Exons	1..95, 625..715		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11064	Seq. ID	OJ990810_06.9922.C6
Gene No.	23516	Strand	-
Start	446	End	574
Name	OJ990810_06.9922.C6.o1.gs	Method	GENSCAN
Start	446	End	574
GI	none	Score	.54
Exons	446..574		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23517	Strand	+
Start	9751	End	13157
Name	OJ990810_06.9922.C7.o4.np	Method	AAT/NAP
Start	8245	End	9549
GI	5777617	Score	86
Exons	8245..8264, 9411..9549		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23517	Strand	+
Start	9751	End	13157
Name	OJ990810_06.9922.C7.o2.gs	Method	GENSCAN
Start	9751	End	13157

GI	none	Score	.72
Exons	9751..9895, 9958..10173, 10470..10496, 10578..10636, 10891..11074, 11849..12102, 12328..12618, 12879..13157		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23517	Strand	+
Start	9751	End	13157
Name	OJ990810_06.9922.C7.o7.np	Method	AAT/NAP
Start	10348	End	13154
GI	4741203	Score	922
Exons	10348..10432, 10998..11127, 11827..12102, 12328..12618, 12879..13154		
GI Descrip.	(AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23518	Strand	-
Start	10631	End	13160
Name	OJ990810_06.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	5480	End	5857
GI	none	Score	72
Exons	5480..5857, 5502..5720, 5708..5752, 5808..5837		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23518	Strand	-
Start	10631	End	13160
Name	OJ990810_06.9922.C7.o5.tm	Method	TBLASTX:Maize
Start	5570	End	5890
GI	none	Score	102
Exons	5570..5890, 5595..5888		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23518	Strand	-
Start	10631	End	13160
Name	OJ990810_06.9922.C7.o4.tm	Method	TBLASTX:Maize
Start	6008	End	6352
GI	none	Score	75
Exons	6008..6088, 6009..6089, 6080..6160, 6081..6143, 6170..6352, 6207..6350		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23518	Strand	-
Start	10631	End	13160
Name	OJ990810_06.9922.C7.o6.np	Method	AAT/NAP
Start	10631	End	11939
GI	5777617	Score	80
Exons	10631..10729, 11881..11939		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23518	Strand	-
Start	10631	End	13160
Name	OJ990810_06.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	11340	End	12407
GI	none	Score	112
Exons	11340..11438, 11341..11445, 11342..11446, 11845..11922, 11847..11924, 11930..12109, 11934..12110, 11935..12102, 12307..12405, 12327..12362, 12355..12405, 12357..12407,		

12360..12407

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23518	Strand	-
Start	10631	End	13160
Name	OJ990810_06.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	11956	End	12556
GI	none	Score	226
Exons	11956..12102, 11958..12110, 11979..12110, 12324..12554, 12325..12555, 12327..12539, 12422..12556		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23518	Strand	-
Start	10631	End	13160
Name	OJ990810_06.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	11977	End	13160
GI	none	Score	227
Exons	11977..12102, 11979..12110, 12325..12531, 12327..12521, 12846..13022, 12876..12995, 12881..13006, 13008..13160, 13010..13159, 13020..13160		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23518	Strand	-
Start	10631	End	13160
Name	OJ990810_06.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	12408	End	12591
GI	none	Score	237
Exons	12408..12590, 12409..12591, 12409..12591		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23518	Strand	-
Start	10631	End	13160
Name	OJ990810_06.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	12875	End	13106
GI	none	Score	199
Exons	12875..13087, 12875..13105, 12876..13106, 12876..13106		

Seq. No.	11065	Seq. ID	OJ990810_06.9922.C7
Gene No.	23518	Strand	-
Start	10631	End	13160
Name	OJ990810_06.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	12896	End	13157
GI	none	Score	379
Exons	12896..13153, 12897..13154, 12897..13157		

Seq. No.	11066	Seq. ID	OJ990810_06.9922.C9
Gene No.	23519	Strand	-
Start	1	End	394
Name	OJ990810_06.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	394
GI	6907088	Score	329
Exons	1..81, 257..394		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23520	Strand	+
Start	3097	End	6934

Name	OJ990810_06.9922.C10.o1.np	Method	AAT/NAP
Start	3097	End	4961
GI	6907086	Score	1462
Exons	3097..3859, 3919..4090, 4327..4436, 4560..4722, 4767..4961		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23520	Strand	+
Start	3097	End	6934
Name	OJ990810_06.9922.C10.o1.gs	Method	GENSCAN
Start	3255	End	6934
GI	none	Score	.43
Exons	3255..3781, 4382..4436, 5493..5705, 5712..5969, 6448..6673, 6822..6934		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23521	Strand	+
Start	8556	End	8704
Name	OJ990810_06.9922.C10.o3.gp	Method	AAT/GAP
Start	8556	End	8704
GI	uC-osflcyp089a06a1	Score	271
Exons	8556..8704		
GI Descrip.	'5803254/dbj|BAA83564.1| 3.0e-16 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23522	Strand	+
Start	11119	End	13152
Name	OJ990810_06.9922.C10.o4.gs	Method	GENSCAN
Start	11119	End	13152
GI	none	Score	.92
Exons	11119..11177, 12142..12533, 13067..13152		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23523	Strand	-
Start	1163	End	1665
Name	OJ990810_06.9922.C10.o1.gp	Method	AAT/GAP
Start	1163	End	1665
GI	38782_1.R1084	Score	812
Exons	1163..1665		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23524	Strand	-
Start	8808	End	10069
Name	OJ990810_06.9922.C10.o3.gs	Method	GENSCAN
Start	8808	End	10069
GI	none	Score	.64
Exons	8808..9182, 9533..9688, 9821..10069		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23524	Strand	-
Start	8808	End	10069
Name	OJ990810_06.9922.C10.o4.gp	Method	AAT/GAP

Start	9012	End	9911
GI	431814	Score	760
Exons	9012..9182, 9533..9688, 9821..9911		
GI Descrip.	5803254/dbj|BAA83564.1| 3.0e-16 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23525	Strand	-
Start	13493	End	15356
Name	OJ990810_06.9922.C10.o2.np	Method	AAT/NAP
Start	13489	End	15356
GI	5803254	Score	705
Exons	13489..13867, 14243..14368, 14503..15356		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23525	Strand	-
Start	13493	End	15356
Name	OJ990810_06.9922.C10.o5.gs	Method	GENSCAN
Start	13493	End	14782
GI	none	Score	.76
Exons	13493..13867, 14534..14782		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23526	Strand	-
Start	16159	End	16412
Name	OJ990810_06.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	9515	End	14921
GI	none	Score	66
Exons	9515..9697, 9818..9940, 9968..10207, 14240..14371, 14241..14300, 14543..14653, 14549..14608, 14681..14920, 14700..14921		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23526	Strand	-
Start	16159	End	16412
Name	OJ990810_06.9922.C10.o3.np	Method	AAT/NAP
Start	16159	End	16412
GI	4678351	Score	176
Exons	16159..16412		
GI Descrip.	(AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23526	Strand	-
Start	16159	End	16412
Name	OJ990810_06.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	16169	End	16411
GI	none	Score	122
Exons	16169..16393, 16180..16410, 16181..16411		

Seq. No.	11067	Seq. ID	OJ990810_06.9922.C10
Gene No.	23526	Strand	-
Start	16159	End	16412
Name	OJ990810_06.9922.C10.o1.ts	Method	TBLASTX:Soybean

Start	16174	End	16410
GI	none	Score	189
Exons	16174..16410		

Seq. No.	11068	Seq. ID	OJ990810_06.9922.C11
Gene No.	23527	Strand	+
Start	266	End	736
Name	OJ990810_06.9922.C11.o1.np	Method	AAT/NAP
Start	266	End	736
GI	5803254	Score	208
Exons	266..370, 413..736		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	11069	Seq. ID	OJ990810_06.9922.C12
Gene No.	23528	Strand	-
Start	1	End	340
Name	OJ990810_06.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	340
GI	6907088	Score	257
Exons	1..27, 203..340		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11069	Seq. ID	OJ990810_06.9922.C12
Gene No.	23528	Strand	-
Start	1	End	340
Name	OJ990810_06.9922.C12.o1.gs	Method	GENSCAN
Start	203	End	340
GI	none	Score	.5
Exons	203..340		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23529	Strand	+
Start	8422	End	10244
Name	OJ990810_06.9922.C13.o3.np	Method	AAT/NAP
Start	8422	End	10244
GI	6907086	Score	1074
Exons	8422..9191, 9252..9421, 9643..9752, 9861..10119, 10146..10244		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23530	Strand	+
Start	13148	End	13668
Name	OJ990810_06.9922.C13.o5.np	Method	AAT/NAP
Start	13148	End	13668
GI	4586026	Score	131
Exons	13148..13197, 13324..13426, 13642..13668		
GI Descrip.	(AC007109) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23531	Strand	+
Start	14508	End	14957
Name	OJ990810_06.9922.C13.o1.gp	Method	AAT/GAP
Start	14508	End	14957
GI	none	Score	884
Exons	14508..14957		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23532	Strand	-
Start	317	End	5064
Name	OJ990810_06.9922.C13.o1.np	Method	AAT/NAP
Start	317	End	4893
GI	4680179	Score	4619
Exons	317..3734, 3837..4893		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23532	Strand	-
Start	317	End	5064
Name	OJ990810_06.9922.C13.o1.gs	Method	GENSCAN
Start	346	End	5064
GI	none	Score	.97
Exons	346..5064		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23533	Strand	-
Start	5382	End	6305
Name	OJ990810_06.9922.C13.o2.gs	Method	GENSCAN
Start	5382	End	6305
GI	none	Score	.97
Exons	5382..6305		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23533	Strand	-
Start	5382	End	6305
Name	OJ990810_06.9922.C13.o2.np	Method	AAT/NAP
Start	5385	End	6166
GI	6002794	Score	1294
Exons	5385..6166		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23534	Strand	-
Start	12586	End	12811
Name	OJ990810_06.9922.C13.o4.np	Method	AAT/NAP
Start	12586	End	12811
GI	6069646	Score	91
Exons	12586..12811		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o5.tw	Method	TBLASTX:Wheat
Start	361	End	693
GI	none	Score	114
Exons	361..693, 382..531, 413..598, 586..654, 588..686		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13

Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o8.tm	Method	TBLASTX:Maize
Start	376	End	537
GI	none	Score	85
Exons	376..534, 379..537		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	544	End	1137
GI	none	Score	64
Exons	544..639, 544..981, 554..763, 712..861, 839..982, 900..983, 979..1137, 986..1132, 988..1134		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	694	End	1320
GI	none	Score	255
Exons	694..1320, 818..1225		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o4.tm	Method	TBLASTX:Maize
Start	1189	End	1479
GI	none	Score	97
Exons	1189..1479, 1192..1407, 1289..1468		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o2.ts	Method	TBLASTX:Soybean
Start	1279	End	1534
GI	none	Score	82
Exons	1279..1407, 1279..1527, 1289..1534		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	1303	End	1620
GI	none	Score	99
Exons	1303..1446, 1319..1444, 1447..1620, 1501..1599		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o3.tw	Method	TBLASTX:Wheat
Start	1327	End	1851
GI	none	Score	267
Exons	1327..1851, 1331..1699		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13

Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	1889	End	2247
GI	none	Score	229
Exons	1889..2170, 1894..2247, 1946..2245		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o2.tw	Method	TBLASTX:Wheat
Start	1894	End	2320
GI	none	Score	70
Exons	1894..2319, 1896..2033, 1909..2262, 1931..2320		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o3.ts	Method	TBLASTX:Soybean
Start	2068	End	2313
GI	none	Score	212
Exons	2068..2313		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	2284	End	2784
GI	none	Score	70
Exons	2284..2619, 2306..2575, 2605..2784		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o6.tw	Method	TBLASTX:Wheat
Start	2326	End	2622
GI	none	Score	154
Exons	2326..2622, 2363..2578		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	2335	End	2730
GI	none	Score	133
Exons	2335..2694, 2363..2578, 2618..2713, 2698..2730, 2698..2730		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o4.tw	Method	TBLASTX:Wheat
Start	2671	End	3154
GI	none	Score	162
Exons	2671..3153, 2683..3126, 2699..3154		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-

Start	15802	End	16004
Name	OJ990810_06.9922.C13.o5.tm	Method	TBLASTX:Maize
Start	2854	End	3141
GI	none	Score	180
Exons	2854..3141, 2855..3040		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o7.tw	Method	TBLASTX:Wheat
Start	3301	End	3700
GI	none	Score	78
Exons	3301..3465, 3350..3469, 3478..3699, 3545..3700		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o7.tm	Method	TBLASTX:Maize
Start	3380	End	3706
GI	none	Score	46
Exons	3380..3463, 3382..3705, 3565..3699, 3593..3706		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o6.tm	Method	TBLASTX:Maize
Start	4015	End	4416
GI	none	Score	241
Exons	4015..4416		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o8.tw	Method	TBLASTX:Wheat
Start	4297	End	4662
GI	none	Score	59
Exons	4297..4662, 4556..4657		

Seq. No.	11070	Seq. ID	OJ990810_06.9922.C13
Gene No.	23535	Strand	-
Start	15802	End	16004
Name	OJ990810_06.9922.C13.o5.gs	Method	GENSCAN
Start	15802	End	16004
GI	none	Score	.8
Exons	15802..16004		

Seq. No.	11071	Seq. ID	OJ990810_06.9922.C14
Gene No.	23536	Strand	+
Start	5162	End	8102
Name	OJ990810_06.9922.C14.o3.gs	Method	GENSCAN
Start	5162	End	8102
GI	none	Score	.64
Exons	5162..5827, 7222..7270, 7789..7900, 8000..8102		

Seq. No.	11071	Seq. ID	OJ990810_06.9922.C14
Gene No.	23536	Strand	+
Start	5162	End	8102

Name	OJ990810_06.9922.C14.o1.np	Method	AAT/NAP
Start	5186	End	5800
GI	399325	Score	269
Exons	5186..5800		
GI Descrip.	HEME EXPORTER PROTEIN A (CYTOCHROME C-TYPE BIOGENESIS ATP-BINDING PROTEIN CYCV) gi|95141|pir||A39741 cytochrome c biogenesis protein CycV - Bradyrhizobium japonicum gi|152074 (M60874) putative [Bradyrhizobium japonicum]		

Seq. No.	11071	Seq. ID	OJ990810_06.9922.C14
Gene No.	23537	Strand	-
Start	122	End	950
Name	OJ990810_06.9922.C14.o1.gs	Method	GENSCAN
Start	122	End	889
GI	none	Score	.76
Exons	122..289, 390..467, 584..889		

Seq. No.	11071	Seq. ID	OJ990810_06.9922.C14
Gene No.	23537	Strand	-
Start	122	End	950
Name	OJ990810_06.9922.C14.o1.gp	Method	AAT/GAP
Start	584	End	950
GI	3768067	Score	675
Exons	584..950		

Seq. No.	11071	Seq. ID	OJ990810_06.9922.C14
Gene No.	23538	Strand	-
Start	2084	End	2326
Name	OJ990810_06.9922.C14.o2.gs	Method	GENSCAN
Start	2084	End	2326
GI	none	Score	.45
Exons	2084..2326		

Seq. No.	11071	Seq. ID	OJ990810_06.9922.C14
Gene No.	23539	Strand	
Start	5165	End	5334
Name	OJ990810_06.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	5165	End	5334
GI	none	Score	186
Exons	5165..5239, 5200..5334, 5201..5332		

Seq. No.	11071	Seq. ID	OJ990810_06.9922.C14
Gene No.	23540	Strand	
Start	5401	End	5671
Name	OJ990810_06.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	5401	End	5671
GI	none	Score	187
Exons	5401..5514, 5402..5512, 5510..5671, 5513..5671		

Seq. No.	11072	Seq. ID	OJ990710_46.9A26.C1
Gene No.	23541	Strand	+
Start	1949	End	3370
Name	OJ990710_46.9A26.C1.o1.gs	Method	GENSCAN
Start	1949	End	3370
GI	none	Score	.72
Exons	1949..2110, 2223..2367, 2597..2747, 2881..3370		

Seq. No.	11072	Seq. ID	OJ990710_46.9A26.C1
Gene No.	23542	Strand	-
Start	4621	End	8219
Name	OJ990710_46.9A26.C1.o2.gs	Method	GENSCAN
Start	4621	End	8219
GI	none	Score	.59
Exons	4621..4780, 6509..6670, 7471..7547, 8130..8219		

Seq. No.	11073	Seq. ID	OJ990710_46.9A26.C2
Gene No.	23543	Strand	-
Start	48	End	234
Name	OJ990710_46.9A26.C2.o1.gs	Method	GENSCAN
Start	48	End	234
GI	none	Score	.47
Exons	48..234		

Seq. No.	11074	Seq. ID	OJ990710_46.9A26.C3
Gene No.	23544	Strand	+
Start	1	End	137
Name	OJ990710_46.9A26.C3.o1.np	Method	AAT/NAP
Start	1	End	137
GI	6103722	Score	116
Exons	1..137		
GI Descrip.	(AF186847) TIM17 [Arabidopsis thaliana]		

Seq. No.	11075	Seq. ID	OJ990710_46.9A26.C4
Gene No.	23545	Strand	+
Start	596	End	774
Name	OJ990710_46.9A26.C4.o1.tm	Method	TBLASTX:Maize
Start	542	End	772
GI	none	Score	109
Exons	542..742, 550..747, 598..744, 737..772, 739..771		

Seq. No.	11075	Seq. ID	OJ990710_46.9A26.C4
Gene No.	23545	Strand	+
Start	596	End	774
Name	OJ990710_46.9A26.C4.o1.gs	Method	GENSCAN
Start	596	End	774
GI	none	Score	.71
Exons	596..774		

Seq. No.	11076	Seq. ID	OJ990710_46.9A26.C5
Gene No.	23546	Strand	+
Start	60	End	1836
Name	OJ990710_46.9A26.C5.o1.gs	Method	GENSCAN
Start	60	End	1576
GI	none	Score	.91
Exons	60..122, 911..1112, 1281..1576		

Seq. No.	11076	Seq. ID	OJ990710_46.9A26.C5
Gene No.	23546	Strand	+
Start	60	End	1836
Name	OJ990710_46.9A26.C5.o1.gp	Method	AAT/GAP
Start	815	End	1836
GI	22910_1.R1084	Score	1591
Exons	815..1112, 1281..1836		
GI Descrip.	'1408222/gb|AAC12661.1| 6.0e-49 (U60764) pathogenesis-related		

protein [Sorghum bicolor]'

Seq. No.	11076	Seq. ID	OJ990710_46.9A26.C5
Gene No.	23546	Strand	+
Start	60	End	1836
Name	OJ990710_46.9A26.C5.o2.tw	Method	TBLASTX:Wheat
Start	852	End	1348
GI	none	Score	145
Exons	852..1004, 917..1153, 919..1110, 1274..1348, 1280..1345		

Seq. No.	11076	Seq. ID	OJ990710_46.9A26.C5
Gene No.	23546	Strand	+
Start	60	End	1836
Name	OJ990710_46.9A26.C5.o1.tm	Method	TBLASTX:Maize
Start	916	End	1581
GI	none	Score	266
Exons	916..1110, 926..1111, 926..1117, 1274..1576, 1282..1578, 1396..1581		

Seq. No.	11076	Seq. ID	OJ990710_46.9A26.C5
Gene No.	23546	Strand	+
Start	60	End	1836
Name	OJ990710_46.9A26.C5.o1.np	Method	AAT/NAP
Start	926	End	1573
GI	1408222	Score	580
Exons	926..1112, 1281..1573		
GI Descrip.	(U60764) pathogenesis-related protein [Sorghum bicolor]		

Seq. No.	11076	Seq. ID	OJ990710_46.9A26.C5
Gene No.	23546	Strand	+
Start	60	End	1836
Name	OJ990710_46.9A26.C5.o1.tw	Method	TBLASTX:Wheat
Start	1349	End	1581
GI	none	Score	339
Exons	1349..1576, 1357..1572, 1450..1581		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23547	Strand	+
Start	1749	End	2288
Name	OJ990710_46.9A26.C6.o2.gs	Method	GENSCAN
Start	1749	End	2288
GI	none	Score	.76
Exons	1749..1833, 1992..2090, 2202..2288		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23548	Strand	-
Start	1	End	1489
Name	OJ990710_46.9A26.C6.o1.np	Method	AAT/NAP
Start	1	End	1489
GI	6714449	Score	991
Exons	1..1244, 1447..1489		
GI Descrip.	(AC011620) putative pectinesterase [Arabidopsis thaliana]		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23548	Strand	-
Start	1	End	1489
Name	OJ990710_46.9A26.C6.o1.tm	Method	TBLASTX:Maize

Start	1	End	816
GI	none	Score	383
Exons	1..612, 2..616, 760..816		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23548	Strand	-
Start	1	End	1489
Name	OJ990710_46.9A26.C6.o1.tc	Method	TBLASTX:Cress
Start	4	End	825
GI	none	Score	175
Exons	4..531, 5..271, 329..529, 757..825		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23548	Strand	-
Start	1	End	1489
Name	OJ990710_46.9A26.C6.o1.ts	Method	TBLASTX:Soybean
Start	5	End	1173
GI	none	Score	94
Exons	5..154, 22..174, 139..174, 163..573, 329..532, 601..753, 632..751, 745..1173, 749..805		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23548	Strand	-
Start	1	End	1489
Name	OJ990710_46.9A26.C6.o1.gs	Method	GENSCAN
Start	28	End	1254
GI	none	Score	.98
Exons	28..1254		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23548	Strand	-
Start	1	End	1489
Name	OJ990710_46.9A26.C6.o1.tw	Method	TBLASTX:Wheat
Start	124	End	574
GI	none	Score	404
Exons	124..573, 125..574		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23548	Strand	-
Start	1	End	1489
Name	OJ990710_46.9A26.C6.o3.tm	Method	TBLASTX:Maize
Start	616	End	940
GI	none	Score	60
Exons	616..729, 619..687, 641..751, 817..939, 817..939, 818..940		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23548	Strand	-
Start	1	End	1489
Name	OJ990710_46.9A26.C6.o1.gp	Method	AAT/GAP
Start	825	End	1282
GI	none	Score	873
Exons	825..1282		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23548	Strand	-
Start	1	End	1489
Name	OJ990710_46.9A26.C6.o2.tc	Method	TBLASTX:Cress

Start	847	End	1182
GI	none	Score	240
Exons	847..1182		

Seq. No.	11077	Seq. ID	OJ990710_46.9A26.C6
Gene No.	23548	Strand	-
Start	1	End	1489
Name	OJ990710_46.9A26.C6.o2.tm	Method	TBLASTX:Maize
Start	946	End	1248
GI	none	Score	175
Exons	946..1173, 950..1135, 1087..1152, 1147..1248		

Seq. No.	11078	Seq. ID	OJ990710_46.9A26.C7
Gene No.	23549	Strand	+
Start	2681	End	3157
Name	OJ990710_46.9A26.C7.o1.gs	Method	GENSCAN
Start	2681	End	3157
GI	none	Score	.4
Exons	2681..3157		

Seq. No.	11078	Seq. ID	OJ990710_46.9A26.C7
Gene No.	23550	Strand	-
Start	3264	End	4370
Name	OJ990710_46.9A26.C7.o1.gp	Method	AAT/GAP
Start	3264	End	4370
GI	5354_1.R1084	Score	1278
Exons	3264..3805, 3932..3988, 4133..4205, 4291..4370		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11078	Seq. ID	OJ990710_46.9A26.C7
Gene No.	23550	Strand	-
Start	3264	End	4370
Name	OJ990710_46.9A26.C7.o1.tw	Method	TBLASTX:Wheat
Start	3553	End	4334
GI	none	Score	118
Exons	3553..3729, 3564..3731, 3662..3730, 3737..3808, 3763..3807, 3767..3808, 3918..4007, 3932..3997, 3934..4008, 4129..4164, 4131..4154, 4164..4205, 4176..4217, 4177..4209, 4290..4331, 4292..4333, 4293..4334		

Seq. No.	11078	Seq. ID	OJ990710_46.9A26.C7
Gene No.	23550	Strand	-
Start	3264	End	4370
Name	OJ990710_46.9A26.C7.o2.gs	Method	GENSCAN
Start	3945	End	4205
GI	none	Score	.69
Exons	3945..3996, 4133..4205		

Seq. No.	11079	Seq. ID	OJ990710_46.9A26.C8
Gene No.	23551	Strand	+
Start	779	End	2761
Name	OJ990710_46.9A26.C8.o1.np	Method	AAT/NAP
Start	779	End	2761
GI	2429362	Score	55
Exons	779..828, 2374..2761		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		

Seq. No.	11079	Seq. ID	OJ990710_46.9A26.C8
Gene No.	23552	Strand	+
Start	5186	End	5424
Name	OJ990710_46.9A26.C8.o2.gp	Method	AAT/GAP
Start	5186	End	5424
GI	38782_1.R1084	Score	391
Exons	5186..5424		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	11079	Seq. ID	OJ990710_46.9A26.C8
Gene No.	23553	Strand	-
Start	2124	End	5560
Name	OJ990710_46.9A26.C8.o1.gs	Method	GENSCAN
Start	2124	End	5400
GI	none	Score	.81
Exons	2124..2885, 3069..3125, 4702..4962, 5290..5400		

Seq. No.	11079	Seq. ID	OJ990710_46.9A26.C8
Gene No.	23553	Strand	-
Start	2124	End	5560
Name	OJ990710_46.9A26.C8.o2.np	Method	AAT/NAP
Start	2470	End	5560
GI	6069659	Score	115
Exons	2470..2565, 3140..3168, 4008..4202, 5473..5560		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	11079	Seq. ID	OJ990710_46.9A26.C8
Gene No.	23553	Strand	-
Start	2124	End	5560
Name	OJ990710_46.9A26.C8.o3.np	Method	AAT/NAP
Start	2716	End	4839
GI	6907088	Score	527
Exons	2716..2820, 4288..4526, 4702..4839		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11079	Seq. ID	OJ990710_46.9A26.C8
Gene No.	23553	Strand	-
Start	2124	End	5560
Name	OJ990710_46.9A26.C8.o1.gp	Method	AAT/GAP
Start	3870	End	4028
GI	5667165	Score	260
Exons	3870..4028		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	11080	Seq. ID	OJ990710_46.9A26.C9
Gene No.	23554	Strand	-
Start	1	End	182
Name	OJ990710_46.9A26.C9.o1.gp	Method	AAT/GAP
Start	1	End	182
GI	4171_1.R1084	Score	328
Exons	1..182		
GI Descrip.	'6016696/gb|AAF01523.1|AC009991_19 2.0e-31 (AC009991) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11080	Seq. ID	OJ990710_46.9A26.C9
Gene No.	23555	Strand	-
Start	1147	End	5299
Name	OJ990710_46.9A26.C9.o1.gs	Method	GENSCAN
Start	1147	End	5299
GI	none	Score	.59
Exons	1147..1258, 1969..2435, 2458..2539, 3484..3641, 4265..4285, 5148..5299		

Seq. No.	11081	Seq. ID	OJ990710_46.9A26.C11
Gene No.	23556	Strand	-
Start	452	End	1875
Name	OJ990710_46.9A26.C11.o1.gs	Method	GENSCAN
Start	452	End	1875
GI	none	Score	.56
Exons	452..672, 1583..1686, 1745..1875		

Seq. No.	11082	Seq. ID	OJ990710_46.9A26.C14
Gene No.	23557	Strand	+
Start	1	End	741
Name	OJ990710_46.9A26.C14.o1.np	Method	AAT/NAP
Start	1	End	536
GI	3395428	Score	79
Exons	1..62, 150..233, 316..536		
GI Descrip.	(AC004683) unknown protein [Arabidopsis thaliana]		

Seq. No.	11082	Seq. ID	OJ990710_46.9A26.C14
Gene No.	23557	Strand	+
Start	1	End	741
Name	OJ990710_46.9A26.C14.o1.gs	Method	GENSCAN
Start	150	End	423
GI	none	Score	.8
Exons	150..233, 316..423		

Seq. No.	11082	Seq. ID	OJ990710_46.9A26.C14
Gene No.	23557	Strand	+
Start	1	End	741
Name	OJ990710_46.9A26.C14.o1.tm	Method	TBLASTX:Maize
Start	155	End	588
GI	none	Score	97
Exons	155..229, 162..230, 315..422, 316..423, 514..588, 531..584		

Seq. No.	11082	Seq. ID	OJ990710_46.9A26.C14
Gene No.	23557	Strand	+
Start	1	End	741
Name	OJ990710_46.9A26.C14.o1.gp	Method	AAT/GAP
Start	343	End	741
GI	none	Score	503
Exons	343..423, 533..741		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23558	Strand	+
Start	2537	End	6587
Name	OJ990710_46.9A26.C15.o1.np	Method	AAT/NAP
Start	2537	End	5780
GI	3549670	Score	1608
Exons	2537..2593, 3314..3381, 3492..3608, 3907..3969, 4377..4481,		

4559..4609, 4784..5104, 5205..5411, 5490..5780
GI Descrip. (AL031394) putative protein [Arabidopsis thaliana]

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23558	Strand	+
Start	2537	End	6587
Name	OJ990710_46.9A26.C15.o1.gs	Method	GENSCAN
Start	2797	End	6587
GI	none	Score	.81
Exons	2797..2876, 2972..3065, 3268..3381, 3492..3608, 3907..3969, 4377..4481, 4559..4609, 4784..5104, 5205..5411, 5490..5708, 6441..6587		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23558	Strand	+
Start	2537	End	6587
Name	OJ990710_46.9A26.C15.o1.gp	Method	AAT/GAP
Start	3314	End	3533
GI	uC-osroM202018h12b1	Score	205
Exons	3314..3381, 3492..3533		
GI Descrip.	'3549670/emb|CAA20581.1| 1.0e-35 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23558	Strand	+
Start	2537	End	6587
Name	OJ990710_46.9A26.C15.o2.gp	Method	AAT/GAP
Start	3314	End	3592
GI	uC-osroM202018h12b1	Score	284
Exons	3314..3381, 3492..3592		
GI Descrip.	'3549670/emb|CAA20581.1| 1.0e-35 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23558	Strand	+
Start	2537	End	6587
Name	OJ990710_46.9A26.C15.o3.gp	Method	AAT/GAP
Start	4425	End	5057
GI	2427873	Score	565
Exons	4425..4481, 4559..4609, 4784..5057		
GI Descrip.	3549670/emb|CAA20581.1| 1.0e-35 (AL031394) putative protein [Arabidopsis thaliana]		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23558	Strand	+
Start	2537	End	6587
Name	OJ990710_46.9A26.C15.o4.gp	Method	AAT/GAP
Start	5065	End	6041
GI	13733_1.R1084	Score	1378
Exons	5065..5104, 5205..5411, 5490..6041		
GI Descrip.	'3549670/emb|CAA20581.1| 3.0e-66 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o1.ts	Method	TBLASTX:Soybean

Start	3313	End	5784
GI	none	Score	94
Exons	3313..3384, 3489..3608, 3489..3602, 3491..3607, 3904..3969, 4380..4487, 4407..4484, 4547..4609, 4564..4608, 4756..5106, 4782..5105, 4782..5123, 4784..5107, 5204..5407, 5205..5411, 5484..5783, 5487..5783, 5581..5784		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o4.tm	Method	TBLASTX:Maize
Start	3313	End	4430
GI	none	Score	114
Exons	3313..3384, 3315..3380, 3316..3417, 3489..3608, 3490..3609, 3491..3625, 3491..3604, 3904..3969, 3905..3973, 4374..4430, 4374..4427, 4375..4428		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o4.tc	Method	TBLASTX:Cress
Start	3316	End	3623
GI	none	Score	101
Exons	3316..3384, 3319..3384, 3489..3608, 3491..3616, 3491..3607, 3525..3623		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o1.tm	Method	TBLASTX:Maize
Start	4432	End	5808
GI	none	Score	90
Exons	4432..4482, 4434..4487, 4439..4486, 4547..4609, 4552..4626, 4736..4813, 4756..5106, 4784..5107, 4788..5117, 5204..5365, 5205..5372, 5375..5410, 5376..5411, 5484..5801, 5487..5786, 5488..5808, 5711..5803		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o3.tc	Method	TBLASTX:Cress
Start	4826	End	5118
GI	none	Score	426
Exons	4826..5107, 4834..5106, 4837..5118		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o2.ts	Method	TBLASTX:Soybean
Start	7533	End	8006
GI	none	Score	405
Exons	7533..7994, 7533..8006, 7630..8001		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o2.gs	Method	GENSCAN

Start	7536	End	8546
GI	none	Score	1
Exons	7536..8546		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o2.np	Method	AAT/NAP
Start	7539	End	8609
GI	3892054	Score	1652
Exons	7539..8609		
GI Descrip.	(AC002330) putative glycosyltransferase [Arabidopsis thaliana]		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o2.tc	Method	TBLASTX:Cress
Start	7578	End	7928
GI	none	Score	242
Exons	7578..7928, 7627..7923		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o2.tm	Method	TBLASTX:Maize
Start	7578	End	8388
GI	none	Score	343
Exons	7578..8195, 7599..8183, 7645..8196, 8184..8387, 8185..8388		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o1.tw	Method	TBLASTX:Wheat
Start	7692	End	8059
GI	none	Score	261
Exons	7692..8054, 7692..8054, 7693..8055, 7697..8059		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o1.tc	Method	TBLASTX:Cress
Start	7930	End	8429
GI	none	Score	200
Exons	7930..8139, 7945..8244, 7947..8429, 7956..8255, 8299..8421		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o4.ts	Method	TBLASTX:Soybean
Start	8007	End	8162
GI	none	Score	71
Exons	8007..8123, 8007..8162, 8008..8124		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o3.ts	Method	TBLASTX:Soybean

Start	8163	End	8558
GI	none	Score	164
Exons	8163..8216, 8223..8489, 8224..8505, 8481..8558, 8490..8555		

Seq. No.	11083	Seq. ID	OJ990710_46.9A26.C15
Gene No.	23559	Strand	-
Start	7536	End	8609
Name	OJ990710_46.9A26.C15.o3.tm	Method	TBLASTX:Maize
Start	8389	End	8555
GI	none	Score	247
Exons	8389..8547, 8391..8555		

Seq. No.	11084	Seq. ID	OJ990710_46.9A26.C16
Gene No.	23560	Strand	+
Start	136	End	525
Name	OJ990710_46.9A26.C16.o1.gs	Method	GENSCAN
Start	136	End	525
GI	none	Score	.97
Exons	136..525		

Seq. No.	11084	Seq. ID	OJ990710_46.9A26.C16
Gene No.	23561	Strand	-
Start	45	End	328
Name	OJ990710_46.9A26.C16.o1.gp	Method	AAT/GAP
Start	45	End	328
GI	none	Score	453
Exons	45..328		

Seq. No.	11084	Seq. ID	OJ990710_46.9A26.C16
Gene No.	23562	Strand	-
Start	1184	End	7129
Name	OJ990710_46.9A26.C16.o2.gs	Method	GENSCAN
Start	1184	End	6979
GI	none	Score	.8
Exons	1184..1313, 1655..1845, 1878..2022, 2184..2242, 2383..2470, 3926..3949, 4728..4842, 5233..5346, 6248..6383, 6640..6723, 6829..6979		

Seq. No.	11084	Seq. ID	OJ990710_46.9A26.C16
Gene No.	23562	Strand	-
Start	1184	End	7129
Name	OJ990710_46.9A26.C16.o1.np	Method	AAT/NAP
Start	3991	End	7129
GI	3377805	Score	892
Exons	3991..4146, 4728..4842, 5028..5098, 5189..5346, 5405..5516, 5604..5692, 6248..6345, 6418..6551, 6640..6723, 6829..7129		
GI Descrip.	(AF075597) contains similarity to several apoptosis or programmed cell death proteins such as rat apoptosis protein RP-8 (GB:M80601) [Arabidopsis thaliana] gi|3912928|gb|AAC78712.1| (AF001308) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	11084	Seq. ID	OJ990710_46.9A26.C16
Gene No.	23562	Strand	-
Start	1184	End	7129
Name	OJ990710_46.9A26.C16.o2.tm	Method	TBLASTX:Maize
Start	4057	End	5345

GI	none	Score	74
Exons	4057..4158, 4058..4144, 4059..4187, 4063..4155, 4725..4844, 4726..4848, 4726..4848, 5019..5099, 5027..5104, 5027..5098, 5189..5344, 5190..5345		

Seq. No.	11084	Seq. ID	OJ990710_46.9A26.C16
Gene No.	23562	Strand	-
Start	1184	End	7129
Name	OJ990710_46.9A26.C16.o2.gp	Method	AAT/GAP
Start	5171	End	6358
GI	LIB3431-021-P1-K1-B10	Score	779
Exons	5171..5346, 5423..5516, 5604..5692, 6248..6358		
GI Descrip.	'3377805 1.0e-39 (AF075597) contains similarity to several apoptosis or programmed cell death proteins such as rat apoptosis protein RP-8 (GB:M80601) [Arabidopsis thaliana] >gi_3912928_gb_AAC78712.1_ (AF001308) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	11084	Seq. ID	OJ990710_46.9A26.C16
Gene No.	23562	Strand	-
Start	1184	End	7129
Name	OJ990710_46.9A26.C16.o1.tm	Method	TBLASTX:Maize
Start	5416	End	7109
GI	none	Score	56
Exons	5416..5472, 5464..5520, 5464..5520, 5469..5537, 5600..5662, 5604..5660, 5604..5663, 5658..5693, 5659..5694, 6225..6347, 6239..6352, 6250..6348, 6418..6546, 6418..6552, 6419..6553, 6420..6557, 6631..6729, 6637..6723, 6641..6724, 6817..6912, 6818..6898, 6980..7108, 6981..7109		

Seq. No.	11084	Seq. ID	OJ990710_46.9A26.C16
Gene No.	23562	Strand	-
Start	1184	End	7129
Name	OJ990710_46.9A26.C16.o1.ts	Method	TBLASTX:Soybean
Start	6270	End	6912
GI	none	Score	59
Exons	6270..6347, 6274..6348, 6403..6534, 6420..6533, 6631..6723, 6650..6724, 6817..6912, 6818..6901		

Seq. No.	11084	Seq. ID	OJ990710_46.9A26.C16
Gene No.	23562	Strand	-
Start	1184	End	7129
Name	OJ990710_46.9A26.C16.o3.gp	Method	AAT/GAP
Start	6923	End	7108
GI	none	Score	334
Exons	6923..7108		

Seq. No.	11085	Seq. ID	OJ990710_46.9A26.C17
Gene No.	23563	Strand	+
Start	414	End	2835
Name	OJ990710_46.9A26.C17.o1.gs	Method	GENSCAN
Start	414	End	2835
GI	none	Score	.52
Exons	414..453, 616..922, 1290..1376, 1570..1660, 2134..2319, 2575..2835		

Seq. No.	11086	Seq. ID	OJ990710_46.9A26.C18

Gene No.	23564	Strand	+
Start	815	End	1735
Name	OJ990710_46.9A26.C18.o1.gs	Method	GENSCAN
Start	815	End	1735
GI	none	Score	.46
Exons	815..918, 1015..1207, 1709..1735		

Seq. No.	11086	Seq. ID	OJ990710_46.9A26.C18
Gene No.	23565	Strand	-
Start	2756	End	3126
Name	OJ990710_46.9A26.C18.o2.gs	Method	GENSCAN
Start	2756	End	3034
GI	none	Score	.99
Exons	2756..3034		

Seq. No.	11086	Seq. ID	OJ990710_46.9A26.C18
Gene No.	23565	Strand	-
Start	2756	End	3126
Name	OJ990710_46.9A26.C18.o1.np	Method	AAT/NAP
Start	2759	End	3126
GI	1717794	Score	532
Exons	2759..3126		
GI Descrip.	SEX DETERMINATION PROTEIN TASSELSEED 2 gi|539065|pir||A47542 short-chain alcohol dehydrogenase (EC 1.1.1.-) - maize gi|393184 (L20621) alcohol dehydrogenase [Zea mays]		

Seq. No.	11086	Seq. ID	OJ990710_46.9A26.C18
Gene No.	23565	Strand	-
Start	2756	End	3126
Name	OJ990710_46.9A26.C18.o1.ts	Method	TBLASTX:Soybean
Start	2771	End	3124
GI	none	Score	104
Exons	2771..2938, 2775..2939, 3014..3124, 3021..3122		

Seq. No.	11086	Seq. ID	OJ990710_46.9A26.C18
Gene No.	23565	Strand	-
Start	2756	End	3126
Name	OJ990710_46.9A26.C18.o1.tm	Method	TBLASTX:Maize
Start	2777	End	3124
GI	none	Score	104
Exons	2777..2938, 2790..2939, 3027..3122, 3029..3124		

Seq. No.	11087	Seq. ID	OJ990710_46.9A26.C19
Gene No.	23566	Strand	-
Start	1	End	1108
Name	OJ990710_46.9A26.C19.o1.gp	Method	AAT/GAP
Start	1	End	355
GI	13220_1.R1084	Score	484
Exons	1..79, 183..355		
GI Descrip.	'1877480 8.0e-50 (U89270) short-chain alcohol dehydrogenase [Tripsacum dactyloides]'		

Seq. No.	11087	Seq. ID	OJ990710_46.9A26.C19
Gene No.	23566	Strand	-
Start	1	End	1108
Name	OJ990710_46.9A26.C19.o1.tm	Method	TBLASTX:Maize
Start	1	End	337

GI	none	Score	118
Exons	1..81, 2..82, 186..257, 188..259, 304..336, 308..337		

Seq. No.	11087	Seq. ID	OJ990710_46.9A26.C19
Gene No.	23566	Strand	-
Start	1	End	1108
Name	OJ990710_46.9A26.C19.o1.np	Method	AAT/NAP
Start	1	End	334
GI	1877482	Score	198
Exons	1..79, 183..334		
GI Descrip.	(U89271) short-chain alcohol dehydrogenase [Tripsacum dactyloides]		

Seq. No.	11087	Seq. ID	OJ990710_46.9A26.C19
Gene No.	23566	Strand	-
Start	1	End	1108
Name	OJ990710_46.9A26.C19.o1.gs	Method	GENSCAN
Start	183	End	1108
GI	none	Score	.41
Exons	183..342, 471..683, 1012..1108		

Seq. No.	11088	Seq. ID	OJ990710_46.9A26.C21
Gene No.	23567	Strand	+
Start	450	End	1258
Name	OJ990710_46.9A26.C21.o1.gs	Method	GENSCAN
Start	450	End	1258
GI	none	Score	.59
Exons	450..530, 1130..1258		

Seq. No.	11089	Seq. ID	OJ990710_46.9A26.C23
Gene No.	23568	Strand	-
Start	7	End	345
Name	OJ990710_46.9A26.C23.o1.tm	Method	TBLASTX:Maize
Start	1	End	345
GI	none	Score	86
Exons	1..42, 2..115, 3..56, 5..58, 190..252, 191..253, 259..345, 280..342		

Seq. No.	11089	Seq. ID	OJ990710_46.9A26.C23
Gene No.	23568	Strand	-
Start	7	End	345
Name	OJ990710_46.9A26.C23.o1.gs	Method	GENSCAN
Start	7	End	309
GI	none	Score	.93
Exons	7..102, 190..309		

Seq. No.	11090	Seq. ID	OJ990710_46.9A26.C24
Gene No.	23569	Strand	+
Start	7607	End	8425
Name	OJ990710_46.9A26.C24.o1.np	Method	AAT/NAP
Start	7607	End	8425
GI	6016696	Score	368
Exons	7607..8425		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	11090	Seq. ID	OJ990710_46.9A26.C24
Gene No.	23570	Strand	-

Start	15342	End	16090
Name	OJ990710_46.9A26.C24.o1.gp	Method	AAT/GAP
Start	15342	End	16090
GI	none	Score	1460
Exons	15342..16090		

Seq. No.	11090	Seq. ID	OJ990710_46.9A26.C24
Gene No.	23571	Strand	-
Start	16131	End	16617
Name	OJ990710_46.9A26.C24.o2.tm	Method	TBLASTX:Maize
Start	7550	End	7804
GI	none	Score	184
Exons	7550..7804, 7621..7677, 7643..7708, 7693..7803		

Seq. No.	11090	Seq. ID	OJ990710_46.9A26.C24
Gene No.	23571	Strand	-
Start	16131	End	16617
Name	OJ990710_46.9A26.C24.o1.tm	Method	TBLASTX:Maize
Start	8071	End	8473
GI	none	Score	179
Exons	8071..8232, 8072..8233, 8176..8469, 8267..8473		

Seq. No.	11090	Seq. ID	OJ990710_46.9A26.C24
Gene No.	23571	Strand	-
Start	16131	End	16617
Name	OJ990710_46.9A26.C24.o1.tc	Method	TBLASTX:Cress
Start	8372	End	8767
GI	none	Score	69
Exons	8372..8494, 8575..8766, 8576..8767		

Seq. No.	11090	Seq. ID	OJ990710_46.9A26.C24
Gene No.	23571	Strand	-
Start	16131	End	16617
Name	OJ990710_46.9A26.C24.o1.tw	Method	TBLASTX:Wheat
Start	8569	End	8898
GI	none	Score	253
Exons	8569..8847, 8570..8806, 8839..8898, 8851..8898		

Seq. No.	11090	Seq. ID	OJ990710_46.9A26.C24
Gene No.	23571	Strand	-
Start	16131	End	16617
Name	OJ990710_46.9A26.C24.o2.gp	Method	AAT/GAP
Start	16131	End	16617
GI	none	Score	966
Exons	16131..16617		

Seq. No.	11091	Seq. ID	OJ990710_46.9A26.C25
Gene No.	23572	Strand	+
Start	1	End	527
Name	OJ990710_46.9A26.C25.o1.np	Method	AAT/NAP
Start	1	End	469
GI	6016696	Score	317
Exons	1..332, 371..469		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	11091	Seq. ID	OJ990710_46.9A26.C25
Gene No.	23572	Strand	+

Start	1	End	527
Name	OJ990710_46.9A26.C25.o1.gs	Method	GENSCAN
Start	102	End	527
GI	none	Score	.63
Exons	102..527		

Seq. No.	11091	Seq. ID	OJ990710_46.9A26.C25
Gene No.	23573	Strand	-
Start	1	End	539
Name	OJ990710_46.9A26.C25.o1.gp	Method	AAT/GAP
Start	1	End	539
GI	4171_1.R1084	Score	1056
Exons	1..539		
GI Descrip.	'6016696/gb|AAF01523.1|AC009991_19 2.0e-31 (AC009991) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11091	Seq. ID	OJ990710_46.9A26.C25
Gene No.	23573	Strand	-
Start	1	End	539
Name	OJ990710_46.9A26.C25.o1.tc	Method	TBLASTX:Cress
Start	2	End	487
GI	none	Score	145
Exons	2..118, 3..119, 66..242, 116..241, 249..299, 251..298, 367..468, 407..487		

Seq. No.	11091	Seq. ID	OJ990710_46.9A26.C25
Gene No.	23573	Strand	-
Start	1	End	539
Name	OJ990710_46.9A26.C25.o1.ts	Method	TBLASTX:Soybean
Start	2	End	472
GI	none	Score	261
Exons	2..241, 3..242, 248..298, 249..299, 404..472		

Seq. No.	11091	Seq. ID	OJ990710_46.9A26.C25
Gene No.	23573	Strand	-
Start	1	End	539
Name	OJ990710_46.9A26.C25.o1.tm	Method	TBLASTX:Maize
Start	2	End	502
GI	none	Score	204
Exons	2..121, 3..122, 3..128, 69..299, 146..298, 403..468, 404..502		

Seq. No.	11092	Seq. ID	OJ990710_46.9A26.C26
Gene No.	23574	Strand	+
Start	286	End	1525
Name	OJ990710_46.9A26.C26.o1.gs	Method	GENSCAN
Start	286	End	1525
GI	none	Score	.48
Exons	286..363, 575..631, 1186..1277, 1412..1525		

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23575	Strand	+
Start	1	End	1386
Name	OJ990710_46.9A26.C27.o1.np	Method	AAT/NAP
Start	1	End	1374
GI	2244970	Score	1429
Exons	1..1374		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

gi|2326365|emb|CAA74765| (Y14423) putative cell wall protein [Arabidopsis thaliana]

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23575	Strand	+
Start	1	End	1386
Name	OJ990710_46.9A26.C27.o1.gs	Method	GENSCAN
Start	85	End	1386
GI	none	Score	.98
Exons	85..1386		

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23575	Strand	+
Start	1	End	1386
Name	OJ990710_46.9A26.C27.o1.gp	Method	AAT/GAP
Start	438	End	662
GI	45951_1.R1084	Score	408
Exons	438..662		
GI Descrip.	'4490707/emb|CAB38841.1| 4.0e-18 (AL035680) putative protein [Arabidopsis thaliana]'		

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23576	Strand	-
Start	1261	End	1724
Name	OJ990710_46.9A26.C27.o1.tc	Method	TBLASTX:Cress
Start	27	End	1368
GI	none	Score	526
Exons	27..512, 34..513, 520..1083, 522..1079, 1081..1131, 1155..1271, 1159..1320, 1201..1368		

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23576	Strand	-
Start	1261	End	1724
Name	OJ990710_46.9A26.C27.o1.ts	Method	TBLASTX:Soybean
Start	28	End	1269
GI	none	Score	552
Exons	28..513, 36..512, 263..517, 514..810, 522..746, 759..1067, 760..1068, 1081..1137, 1083..1124, 1150..1269, 1158..1268		

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23576	Strand	-
Start	1261	End	1724
Name	OJ990710_46.9A26.C27.o3.tm	Method	TBLASTX:Maize
Start	42	End	210
GI	none	Score	188
Exons	42..209, 43..210		

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23576	Strand	-
Start	1261	End	1724
Name	OJ990710_46.9A26.C27.o1.tm	Method	TBLASTX:Maize
Start	213	End	941
GI	none	Score	1254
Exons	213..941, 214..939		

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23576	Strand	-

Start	1261	End	1724
Name	OJ990710_46.9A26.C27.o2.tw	Method	TBLASTX:Wheat
Start	405	End	789
GI	none	Score	416
Exons	405..785, 405..785, 406..789		

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23576	Strand	-
Start	1261	End	1724
Name	OJ990710_46.9A26.C27.o1.tw	Method	TBLASTX:Wheat
Start	893	End	1275
GI	none	Score	229
Exons	893..1162, 898..1275, 900..1274		

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23576	Strand	-
Start	1261	End	1724
Name	OJ990710_46.9A26.C27.o2.tm	Method	TBLASTX:Maize
Start	942	End	1534
GI	none	Score	347
Exons	942..1253, 942..1253, 943..1254, 944..1255, 1255..1299, 1273..1296, 1287..1388, 1304..1390, 1305..1388, 1379..1462, 1381..1482, 1409..1492, 1502..1534		

Seq. No.	11093	Seq. ID	OJ990710_46.9A26.C27
Gene No.	23576	Strand	-
Start	1261	End	1724
Name	OJ990710_46.9A26.C27.o2.gp	Method	AAT/GAP
Start	1261	End	1724
GI	16875_1.R1084	Score	885
Exons	1261..1724		
GI Descrip.	'3249105 3.0e-12 (AC003114) Contains similarity to protein phosphatase 2C (ABI1) gb_X78886 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	11094	Seq. ID	OJ990710_46.9A26.C28
Gene No.	23577	Strand	+
Start	50	End	198
Name	OJ990710_46.9A26.C28.o1.gs	Method	GENSCAN
Start	50	End	198
GI	none	Score	.71
Exons	50..198		

Seq. No.	11095	Seq. ID	OJ990710_46.9A26.C29
Gene No.	23578	Strand	+
Start	1009	End	3232
Name	OJ990710_46.9A26.C29.o1.gs	Method	GENSCAN
Start	1009	End	3227
GI	none	Score	.84
Exons	1009..1053, 1468..1757, 2260..2432, 3134..3227		

Seq. No.	11095	Seq. ID	OJ990710_46.9A26.C29
Gene No.	23578	Strand	+
Start	1009	End	3232
Name	OJ990710_46.9A26.C29.o1.gp	Method	AAT/GAP
Start	1631	End	3227
GI	383_2.R1084	Score	717

Exons	1631..1757, 2260..2432, 3134..3227
GI Descrip.	'421960/pir||S34448 9.0e-63 small nuclear ribonucleoprotein U2B'''' - potato >gi_169589 (M72892) spliceosomal protein [Solanum tuberosum]'

Seq. No.	11095	Seq. ID	OJ990710_46.9A26.C29
Gene No.	23578	Strand	+
Start	1009	End	3232
Name	OJ990710_46.9A26.C29.o1.tm	Method	TBLASTX:Maize
Start	1678	End	3180
GI	none	Score	117
Exons	1678..1755, 1682..1756, 1682..1774, 1699..1758, 2255..2431, 2257..2430, 2259..2432, 2265..2432, 2386..2436, 3100..3180, 3134..3178		

Seq. No.	11095	Seq. ID	OJ990710_46.9A26.C29
Gene No.	23578	Strand	+
Start	1009	End	3232
Name	OJ990710_46.9A26.C29.o1.tc	Method	TBLASTX:Cress
Start	1682	End	3232
GI	none	Score	98
Exons	1682..1756, 2255..2437, 2259..2438, 3134..3232		

Seq. No.	11095	Seq. ID	OJ990710_46.9A26.C29
Gene No.	23578	Strand	+
Start	1009	End	3232
Name	OJ990710_46.9A26.C29.o1.ts	Method	TBLASTX:Soybean
Start	1684	End	3226
GI	none	Score	113
Exons	1684..1755, 1685..1756, 2255..2437, 2259..2438, 2261..2443, 3134..3226, 3145..3225		

Seq. No.	11095	Seq. ID	OJ990710_46.9A26.C29
Gene No.	23578	Strand	+
Start	1009	End	3232
Name	OJ990710_46.9A26.C29.o1.np	Method	AAT/NAP
Start	1685	End	3227
GI	2347192	Score	336
Exons	1685..1757, 2260..2432, 3134..3227		
GI Descrip.	(AC002338) putative small nuclear ribonucleoprotein U2B [Arabidopsis thaliana]		

Seq. No.	11095	Seq. ID	OJ990710_46.9A26.C29
Gene No.	23578	Strand	+
Start	1009	End	3232
Name	OJ990710_46.9A26.C29.o1.tw	Method	TBLASTX:Wheat
Start	2255	End	3207
GI	none	Score	266
Exons	2255..2431, 2259..2432, 2265..2432, 3103..3207, 3134..3205		

Seq. No.	11096	Seq. ID	OJ990710_46.9A26.C30
Gene No.	23579	Strand	+
Start	1	End	98
Name	OJ990710_46.9A26.C30.o1.gp	Method	AAT/GAP
Start	1	End	98
GI	383_2.R1084	Score	175
Exons	1..98		

GI Descrip.	'421960/pir||S34448 9.0e-63 small nuclear ribonucleoprotein U2B'''' - potato >gi_169589 (M72892) spliceosomal protein [Solanum tuberosum]'		
Seq. No.	11096	Seq. ID	OJ990710_46.9A26.C30
Gene No.	23580	Strand	+
Start	154	End	3375
Name	OJ990710_46.9A26.C30.o1.gs	Method	GENSCAN
Start	154	End	3178
GI	none	Score	.61
Exons	154..207, 1116..1310, 1756..2027, 3018..3178		
Seq. No.	11096	Seq. ID	OJ990710_46.9A26.C30
Gene No.	23580	Strand	+
Start	154	End	3375
Name	OJ990710_46.9A26.C30.o1.np	Method	AAT/NAP
Start	1860	End	3375
GI	3395428	Score	161
Exons	1860..1901, 3018..3178, 3314..3375		
GI Descrip.	(AC004683) unknown protein [Arabidopsis thaliana]		
Seq. No.	11097	Seq. ID	OJ990710_46.9A26.C31
Gene No.	23581	Strand	+
Start	1626	End	2047
Name	OJ990710_46.9A26.C31.o1.gp	Method	AAT/GAP
Start	1626	End	2047
GI	3768365	Score	764
Exons	1626..2047		
Seq. No.	11098	Seq. ID	OJ990710_46.9A26.C32
Gene No.	23582	Strand	-
Start	275	End	412
Name	OJ990710_46.9A26.C32.o1.gs	Method	GENSCAN
Start	275	End	412
GI	none	Score	.66
Exons	275..412		
Seq. No.	11099	Seq. ID	OJ990710_46.9A26.C34
Gene No.	23583	Strand	-
Start	39	End	224
Name	OJ990710_46.9A26.C34.o1.gs	Method	GENSCAN
Start	39	End	224
GI	none	Score	.68
Exons	39..224		
Seq. No.	11100	Seq. ID	OJ990710_46.9A26.C35
Gene No.	23584	Strand	+
Start	52	End	640
Name	OJ990710_46.9A26.C35.o1.gs	Method	GENSCAN
Start	52	End	640
GI	none	Score	.46
Exons	52..126, 470..640		
Seq. No.	11101	Seq. ID	OJ990710_46.9A26.C36
Gene No.	23585	Strand	+
Start	126	End	688
Name	OJ990710_46.9A26.C36.o1.gs	Method	GENSCAN

Start	126	End	688
GI	none	Score	.88
Exons	126..258, 543..688		

Seq. No.	11102	Seq. ID	OJ990710_46.9A26.C37
Gene No.	23586	Strand	+
Start	3078	End	4160
Name	OJ990710_46.9A26.C37.o1.np	Method	AAT/NAP
Start	3078	End	4160
GI	2104536	Score	1279
Exons	3078..3187, 3236..4160		
GI Descrip.	(AF001308) predicted glycosyl transferase [Arabidopsis thaliana]		

Seq. No.	11102	Seq. ID	OJ990710_46.9A26.C37
Gene No.	23586	Strand	+
Start	3078	End	4160
Name	OJ990710_46.9A26.C37.o1.ts	Method	TBLASTX:Soybean
Start	3335	End	4157
GI	none	Score	712
Exons	3335..3892, 3336..3896, 3905..4150, 3906..4157		

Seq. No.	11102	Seq. ID	OJ990710_46.9A26.C37
Gene No.	23586	Strand	+
Start	3078	End	4160
Name	OJ990710_46.9A26.C37.o1.tc	Method	TBLASTX:Cress
Start	3455	End	3983
GI	none	Score	600
Exons	3455..3562, 3456..3896, 3659..3892, 3906..3983, 3908..3982		

Seq. No.	11102	Seq. ID	OJ990710_46.9A26.C37
Gene No.	23586	Strand	+
Start	3078	End	4160
Name	OJ990710_46.9A26.C37.o1.tm	Method	TBLASTX:Maize
Start	3506	End	4130
GI	none	Score	405
Exons	3506..3562, 3507..3893, 3662..3892, 3710..3898, 3905..4120, 3906..4130		

Seq. No.	11102	Seq. ID	OJ990710_46.9A26.C37
Gene No.	23586	Strand	+
Start	3078	End	4160
Name	OJ990710_46.9A26.C37.o2.tc	Method	TBLASTX:Cress
Start	3984	End	4145
GI	none	Score	250
Exons	3984..4145, 3986..4144		

Seq. No.	11103	Seq. ID	OJ990710_46.9A26.C43
Gene No.	23587	Strand	+
Start	1	End	655
Name	OJ990710_46.9A26.C43.o1.np	Method	AAT/NAP
Start	1	End	655
GI	4680183	Score	132
Exons	1..29, 539..655		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	11103	Seq. ID	OJ990710_46.9A26.C43
Gene No.	23587	Strand	+

Start	1	End	655
Name	OJ990710_46.9A26.C43.o1.gs	Method	GENSCAN
Start	434	End	565
GI	none	Score	.62
Exons	434..565		

Seq. No.	11104	Seq. ID	OJ990710_46.9A26.C44
Gene No.	23588	Strand	-
Start	168	End	455
Name	OJ990710_46.9A26.C44.o1.gs	Method	GENSCAN
Start	168	End	455
GI	none	Score	.8
Exons	168..329, 411..455		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23589	Strand	+
Start	310	End	1028
Name	OJ990620_34.9A19.C2.o1.np	Method	AAT/NAP
Start	310	End	1028
GI	5051773	Score	327
Exons	310..423, 511..1028		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23590	Strand	-
Start	15059	End	16152
Name	OJ990620_34.9A19.C2.o2.np	Method	AAT/NAP
Start	15059	End	16152
GI	1514643	Score	323
Exons	15059..15175, 15472..15667, 15777..15918, 15947..16152		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23591	Strand	-
Start	19674	End	23686
Name	OJ990620_34.9A19.C2.o3.np	Method	AAT/NAP
Start	19674	End	23686
GI	2443320	Score	5560
Exons	19674..20396, 20431..23686		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23592	Strand	-
Start	25339	End	25430
Name	OJ990620_34.9A19.C2.o2.gp	Method	AAT/GAP
Start	25339	End	25430
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	25339..25430		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o1.tc	Method	TBLASTX:Cress
Start	480	End	782

GI	none	Score	254
Exons	480..782, 515..778		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o4.ts	Method	TBLASTX:Soybean
Start	492	End	716
GI	none	Score	206
Exons	492..716, 515..706		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o1.tm	Method	TBLASTX:Maize
Start	504	End	1001
GI	none	Score	196
Exons	504..740, 783..1001		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o3.tw	Method	TBLASTX:Wheat
Start	19713	End	20201
GI	none	Score	351
Exons	19713..20201, 19714..20196, 20081..20200		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o3.tm	Method	TBLASTX:Maize
Start	19725	End	20312
GI	none	Score	203
Exons	19725..19919, 19938..20312		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o2.ts	Method	TBLASTX:Soybean
Start	19809	End	20303
GI	none	Score	78
Exons	19809..19913, 19941..20303, 19954..20109		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o1.tw	Method	TBLASTX:Wheat
Start	20274	End	21108
GI	none	Score	94
Exons	20274..20414, 20275..20418, 20431..20772, 20437..20772, 20447..20788, 20697..20963, 20758..20964, 20758..20985, 20762..20980, 20985..21107, 20989..21108		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o4.tm	Method	TBLASTX:Maize

Start	20671	End	21102
GI	none	Score	83
Exons	20671..20985, 20738..20947, 20785..20949, 20985..21083, 20989..21102		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o1.ts	Method	TBLASTX:Soybean
Start	20789	End	21236
GI	5509260	Score	90
Exons	20789..20947, 20797..20985, 20985..21236, 20986..21183, 20994..21236		
GI Descrip.	-		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o3.tc	Method	TBLASTX:Cress
Start	20884	End	21147
GI	none	Score	96
Exons	20884..21000, 20991..21146, 21010..21147		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o6.tw	Method	TBLASTX:Wheat
Start	21109	End	21302
GI	none	Score	130
Exons	21109..21249, 21110..21295, 21111..21302		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o2.tc	Method	TBLASTX:Cress
Start	21530	End	21967
GI	none	Score	123
Exons	21530..21655, 21674..21751, 21761..21967		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o2.tm	Method	TBLASTX:Maize
Start	21530	End	22075
GI	none	Score	214
Exons	21530..21685, 21671..21748, 21767..22075		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o2.tw	Method	TBLASTX:Wheat
Start	21548	End	22213
GI	none	Score	205
Exons	21548..22213, 21605..22009, 21606..22187, 22082..22210		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-

Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o3.ts	Method	TBLASTX:Soybean
Start	21548	End	21979
GI	none	Score	90
Exons	21548..21685, 21671..21751, 21752..21979, 21753..21977		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o5.ts	Method	TBLASTX:Soybean
Start	21989	End	22372
GI	none	Score	91
Exons	21989..22213, 22199..22372		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o4.tw	Method	TBLASTX:Wheat
Start	22214	End	22682
GI	none	Score	109
Exons	22214..22435, 22233..22379, 22243..22389, 22401..22646, 22433..22645, 22437..22682		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o7.tw	Method	TBLASTX:Wheat
Start	23141	End	23488
GI	none	Score	57
Exons	23141..23239, 23144..23488		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o3.gs	Method	GENSCAN
Start	25505	End	29194
GI	none	Score	.55
Exons	25505..25687, 25767..25865, 25961..26033, 26117..26227, 26323..26496, 26603..26891, 27081..27401, 27641..27677, 27773..28123, 28131..28314, 28461..29194		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o4.np	Method	AAT/NAP
Start	25515	End	29209
GI	4680204	Score	984
Exons	25515..25657, 26009..26227, 26323..26496, 26603..27677, 27773..29209		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	11105	Seq. ID	OJ990620_34.9A19.C2
Gene No.	23593	Strand	-
Start	25505	End	29209
Name	OJ990620_34.9A19.C2.o5.tw	Method	TBLASTX:Wheat
Start	28163	End	28566
GI	none	Score	77

Exons	28163..28258, 28164..28280, 28323..28463, 28328..28564, 28370..28564, 28426..28566, 28456..28566		
Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23594	Strand	+
Start	1693	End	2023
Name	OJ990620_34.9A19.C3.o1.gp	Method	AAT/GAP
Start	1693	End	2023
GI	69014_1.R1084	Score	529
Exons	1693..2023		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23595	Strand	+
Start	2031	End	5821
Name	OJ990620_34.9A19.C3.o2.gp	Method	AAT/GAP
Start	2031	End	5821
GI	2315_5.R1084	Score	813
Exons	2031..2136, 2214..2325, 4166..4221, 5560..5821		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23596	Strand	+
Start	6143	End	6556
Name	OJ990620_34.9A19.C3.o2.gs	Method	GENSCAN
Start	6143	End	6556
GI	none	Score	.88
Exons	6143..6410, 6432..6556		
Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23597	Strand	+
Start	6710	End	10461
Name	OJ990620_34.9A19.C3.o4.gp	Method	AAT/GAP
Start	6710	End	10461
GI	342_1.R1084	Score	6083
Exons	6710..7162, 7241..7263, 7404..10461		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23597	Strand	+
Start	6710	End	10461
Name	OJ990620_34.9A19.C3.o5.gp	Method	AAT/GAP
Start	6712	End	10461
GI	342_1.R1084	Score	6084
Exons	6712..7162, 7241..7263, 7404..10461		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23597	Strand	+
Start	6710	End	10461
Name	OJ990620_34.9A19.C3.o3.gp	Method	AAT/GAP
Start	7410	End	7854

GI	LIB3431-028-P1-N1-A10	Score	766
Exons	7410..7480, 7508..7854		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23598	Strand	+
Start	20566	End	21682
Name	OJ990620_34.9A19.C3.o4.gs	Method	GENSCAN
Start	20566	End	21682
GI	none	Score	.66
Exons	20566..20644, 21552..21682		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23599	Strand	+
Start	24412	End	24600
Name	OJ990620_34.9A19.C3.o9.gp	Method	AAT/GAP
Start	24412	End	24600
GI	LIB3434-029-P1-K1-C7	Score	269
Exons	24412..24600		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23600	Strand	-
Start	1689	End	2321
Name	OJ990620_34.9A19.C3.o1.gs	Method	GENSCAN
Start	1689	End	2321
GI	none	Score	.55
Exons	1689..2321		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23601	Strand	-
Start	7473	End	19052
Name	OJ990620_34.9A19.C3.o3.gs	Method	GENSCAN
Start	7473	End	19052
GI	none	Score	.48
Exons	7473..8026, 8207..8776, 9032..9689, 9992..10438, 10823..10864, 11326..11489, 11758..12019, 12369..12602, 12762..12906, 13987..14128, 14295..14465, 16004..16191, 16928..17240, 18670..18729, 18956..19052		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23601	Strand	-
Start	7473	End	19052
Name	OJ990620_34.9A19.C3.o1.np	Method	AAT/NAP
Start	8032	End	9991
GI	6742729	Score	3081
Exons	8032..9991		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23601	Strand	-
Start	7473	End	19052
Name	OJ990620_34.9A19.C3.o2.np	Method	AAT/NAP
Start	11326	End	17742
GI	6721103	Score	521

Exons	11326..11489, 11758..12019, 12369..12602, 12762..12892, 16004..16191, 17679..17742		
GI Descrip.	(AC007396) T4O12.11 [Arabidopsis thaliana]		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23601	Strand	-
Start	7473	End	19052
Name	OJ990620_34.9A19.C3.o6.gp	Method	AAT/GAP
Start	12572	End	16384
GI	uC-osflm202099f07b1	Score	1022
Exons	12572..12602, 12762..12892, 16004..16384		
GI Descrip.	'4582449/gb|AAD24833.1|AC007071_5 6.0e-23 (AC007071) putative APG protein [Arabidopsis thaliana]'		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o1.tw	Method	TBLASTX:Wheat
Start	7554	End	8865
GI	none	Score	136
Exons	7554..7640, 7629..7709, 7722..7862, 7723..7863, 7810..7905, 7842..7901, 7908..7955, 7908..7955, 7913..7972, 7977..8864, 7978..8391, 8321..8839, 8449..8865		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o1.tc	Method	TBLASTX:Cress
Start	8129	End	8577
GI	none	Score	93
Exons	8129..8380, 8130..8279, 8130..8573, 8134..8391, 8140..8577, 8449..8577		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o2.tm	Method	TBLASTX:Maize
Start	8508	End	8822
GI	none	Score	121
Exons	8508..8822, 8536..8811		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o3.tw	Method	TBLASTX:Wheat
Start	8866	End	9276
GI	none	Score	81
Exons	8866..8952, 8868..8951, 8984..9196, 8985..9227, 9025..9204, 9213..9275, 9226..9276		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o2.ts	Method	TBLASTX:Soybean
Start	9327	End	9551
GI	none	Score	195
Exons	9327..9551		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o1.tm	Method	TBLASTX:Maize
Start	9381	End	9826
GI	none	Score	100
Exons	9381..9575, 9585..9710, 9704..9826		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o2.tw	Method	TBLASTX:Wheat
Start	9415	End	9875
GI	none	Score	171
Exons	9415..9621, 9415..9624, 9420..9644, 9624..9704, 9624..9710, 9625..9711, 9725..9829, 9729..9830, 9827..9874, 9831..9875		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o2.tc	Method	TBLASTX:Cress
Start	9704	End	10009
GI	none	Score	63
Exons	9704..10009, 9732..9818, 9867..10004		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o1.ts	Method	TBLASTX:Soybean
Start	9752	End	10181
GI	none	Score	96
Exons	9752..10048, 9765..9998, 10043..10105, 10106..10180, 10116..10181		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o4.tw	Method	TBLASTX:Wheat
Start	10102	End	10453
GI	none	Score	195
Exons	10102..10344, 10110..10352, 10118..10354, 10119..10355, 10346..10453		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o3.ts	Method	TBLASTX:Soybean
Start	12375	End	31072
GI	none	Score	65
Exons	12375..12425, 12453..12614, 12769..12906, 12771..12887, 16005..16121, 16024..16089, 16101..16169, 30557..30631, 30629..30793, 30630..30767, 30938..31072, 30943..31062		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185

Name	OJ990620_34.9A19.C3.o3.tc	Method	TBLASTX:Cress
Start	15999	End	16169
GI	none	Score	83
Exons	15999..16169, 16012..16146		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o3.np	Method	AAT/NAP
Start	19849	End	27907
GI	5852175	Score	127
Exons	19849..19884, 20517..20620, 27813..27907		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o8.gp	Method	AAT/GAP
Start	20616	End	20989
GI	2427387	Score	559
Exons	20616..20989		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o6.gs	Method	GENSCAN
Start	27537	End	30790
GI	none	Score	.9
Exons	27537..27724, 29429..29609, 30551..30790		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o4.np	Method	AAT/NAP
Start	27540	End	35185
GI	2062167	Score	233
Exons	27540..27724, 29429..29681, 30551..30782, 30935..31076, 35153..35185		
GI Descrip.	(AC001645) Proline-rich protein APG isolog [Arabidopsis thaliana]		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o5.np	Method	AAT/NAP
Start	27694	End	31992
GI	728867	Score	250
Exons	27694..27724, 29429..29681, 30551..30784, 30937..31075, 31559..31992		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR gi|99694|pir||S21961 proline-rich protein APG - Arabidopsis thaliana gi|22599|emb|CAA42925| (X60377) APG [Arabidopsis thaliana]		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3

Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o10.gp	Method	AAT/GAP
Start	29408	End	30620
GI	uC-osflM202050b11b1	Score	532
Exons	29408..29681, 30551..30620		
GI Descrip.	'728867/sp|P40602|APG_ARATH 2.0e-09 ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR >gi_99694_pir__S21961 proline-rich protein APG - Arabidopsis thaliana >gi_22599_emb_CAA42925_ (X60377) APG [Arabidopsis thaliana]'		

Seq. No.	11106	Seq. ID	OJ990620_34.9A19.C3
Gene No.	23602	Strand	-
Start	19849	End	35185
Name	OJ990620_34.9A19.C3.o7.gs	Method	GENSCAN
Start	31663	End	32080
GI	none	Score	.6
Exons	31663..32080		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23603	Strand	+
Start	15106	End	16730
Name	OJ990620_34.9A19.C4.o1.gp	Method	AAT/GAP
Start	14680	End	15566
GI	15870_2.R1084	Score	289
Exons	14680..14855, 15528..15566		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23603	Strand	+
Start	15106	End	16730
Name	OJ990620_34.9A19.C4.o6.gs	Method	GENSCAN
Start	15106	End	16730
GI	none	Score	.66
Exons	15106..15177, 16545..16730		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23604	Strand	-
Start	1	End	1294
Name	OJ990620_34.9A19.C4.o1.np	Method	AAT/NAP
Start	1	End	1294
GI	6721103	Score	162
Exons	1..45, 985..1294		
GI Descrip.	(AC007396) T4O12.11 [Arabidopsis thaliana]		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23605	Strand	-
Start	4994	End	6421
Name	OJ990620_34.9A19.C4.o2.gs	Method	GENSCAN
Start	4994	End	6421
GI	none	Score	.81
Exons	4994..4998, 5042..5186, 5191..5277, 6419..6421		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23606	Strand	-
Start	7538	End	11987

Name	OJ990620_34.9A19.C4.o3.gs	Method	GENSCAN
Start	7538	End	10409
GI	none	Score	.55
Exons	7538..7549, 7966..8729, 9161..9970, 10325..10409		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23606	Strand	-
Start	7538	End	11987
Name	OJ990620_34.9A19.C4.o2.np	Method	AAT/NAP
Start	9057	End	11987
GI	6691191	Score	2666
Exons	9057..11987		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23607	Strand	-
Start	11944	End	12919
Name	OJ990620_34.9A19.C4.o5.gs	Method	GENSCAN
Start	11944	End	12919
GI	none	Score	.52
Exons	11944..12312, 12443..12919		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o5.ts	Method	TBLASTX:Soybean
Start	959	End	1156
GI	none	Score	134
Exons	959..1156, 987..1142		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o2.tc	Method	TBLASTX:Cress
Start	986	End	1141
GI	none	Score	157
Exons	986..1141, 993..1130		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o1.ts	Method	TBLASTX:Soybean
Start	9156	End	9644
GI	none	Score	153
Exons	9156..9242, 9255..9644, 9388..9642		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o2.tw	Method	TBLASTX:Wheat
Start	9252	End	9632
GI	none	Score	162
Exons	9252..9632, 9256..9576		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393

Name	OJ990620_34.9A19.C4.o5.tw	Method	TBLASTX:Wheat
Start	9639	End	9970
GI	none	Score	81
Exons	9639..9953, 9657..9968, 9733..9963, 9818..9970		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o3.ts	Method	TBLASTX:Soybean
Start	9645	End	9969
GI	none	Score	157
Exons	9645..9905, 9646..9903, 9930..9968, 9931..9969		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o1.tc	Method	TBLASTX:Cress
Start	9990	End	10342
GI	none	Score	64
Exons	9990..10097, 10100..10291, 10101..10244, 10295..10342		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o6.tw	Method	TBLASTX:Wheat
Start	10148	End	10538
GI	none	Score	48
Exons	10148..10288, 10155..10244, 10268..10342, 10330..10536, 10341..10523, 10425..10538, 10502..10537		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o4.tw	Method	TBLASTX:Wheat
Start	10569	End	10875
GI	none	Score	113
Exons	10569..10871, 10569..10871, 10570..10875		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o4.ts	Method	TBLASTX:Soybean
Start	10663	End	11015
GI	none	Score	120
Exons	10663..10950, 10692..10949, 10950..11015		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o1.tm	Method	TBLASTX:Maize
Start	10728	End	11141
GI	none	Score	85
Exons	10728..11141, 10729..10986		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393

Name	OJ990620_34.9A19.C4.o1.tw	Method	TBLASTX:Wheat
Start	10875	End	11306
GI	none	Score	95
Exons	10875..11306, 10885..11037, 10905..11285, 11101..11304		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o2.tm	Method	TBLASTX:Maize
Start	11301	End	11675
GI	none	Score	55
Exons	11301..11408, 11301..11519, 11463..11534, 11607..11675		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o2.ts	Method	TBLASTX:Soybean
Start	11382	End	11807
GI	none	Score	110
Exons	11382..11807, 11389..11703		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o3.tw	Method	TBLASTX:Wheat
Start	11403	End	11807
GI	none	Score	130
Exons	11403..11807, 11428..11646, 11433..11804		

Seq. No.	11107	Seq. ID	OJ990620_34.9A19.C4
Gene No.	23608	Strand	-
Start	17805	End	18393
Name	OJ990620_34.9A19.C4.o7.gs	Method	GENSCAN
Start	17805	End	18393
GI	none	Score	.82
Exons	17805..18022, 18242..18393		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23609	Strand	+
Start	884	End	15378
Name	OJ990620_34.9A19.C5.o1.gs	Method	GENSCAN
Start	884	End	14821
GI	none	Score	.61
Exons	884..933, 1958..2018, 2659..2772, 2861..2908, 3089..4957, 5177..7009, 7796..7941, 8196..8345, 8585..8676, 9046..9732, 9763..9846, 10410..10610, 10703..10842, 13481..13931, 13948..14056, 14499..14821		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23609	Strand	+
Start	884	End	15378
Name	OJ990620_34.9A19.C5.o1.np	Method	AAT/NAP
Start	3105	End	7010
GI	6539553	Score	6738
Exons	3105..7010		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837)		

Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23609	Strand	+
Start	884	End	15378
Name	OJ990620_34.9A19.C5.o2.np	Method	AAT/NAP
Start	5769	End	15378
GI	5091513	Score	1225
Exons	5769..5810, 9089..9951, 10370..10637, 13474..13859, 13902..13995, 14817..15003, 15159..15378		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23609	Strand	+
Start	884	End	15378
Name	OJ990620_34.9A19.C5.o2.gp	Method	AAT/GAP
Start	11687	End	12068
GI	uC-osflcyp033a04b1	Score	675
Exons	11687..12068		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23610	Strand	-
Start	8931	End	9027
Name	OJ990620_34.9A19.C5.o1.gp	Method	AAT/GAP
Start	8931	End	9027
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	8931..9027		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o4.tw	Method	TBLASTX:Wheat
Start	3099	End	3486
GI	none	Score	353
Exons	3099..3485, 3110..3484, 3223..3486		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o2.tm	Method	TBLASTX:Maize
Start	3234	End	3547
GI	none	Score	365
Exons	3234..3545, 3242..3547		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o1.tm	Method	TBLASTX:Maize
Start	4046	End	4368
GI	none	Score	268
Exons	4046..4300, 4053..4367, 4073..4366, 4201..4368		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o5.ts	Method	TBLASTX:Soybean
Start	4395	End	4781
GI	none	Score	84
Exons	4395..4550, 4533..4781		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o5.tm	Method	TBLASTX:Maize
Start	4569	End	5003
GI	none	Score	303
Exons	4569..5003, 4778..4978		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o5.tw	Method	TBLASTX:Wheat
Start	4646	End	4838
GI	none	Score	275
Exons	4646..4717, 4647..4838, 4647..4838		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o3.ts	Method	TBLASTX:Soybean
Start	4791	End	5189
GI	none	Score	197
Exons	4791..5015, 4799..4969, 4800..4970, 5016..5189, 5024..5062		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o1.tw	Method	TBLASTX:Wheat
Start	4839	End	5594
GI	none	Score	617
Exons	4839..5297, 4847..5326, 5347..5577, 5355..5594, 5377..5574, 5435..5593		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o1.ts	Method	TBLASTX:Soybean
Start	5514	End	5978
GI	5509260	Score	383
Exons	5514..5978, 5615..5683, 5732..5827, 5900..5959		
GI Descrip.	-		

Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o1.tc	Method	TBLASTX:Cress
Start	5607	End	5867
GI	none	Score	287

Exons	5607..5867		
Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o3.tm	Method	TBLASTX:Maize
Start	5648	End	6113
GI	none	Score	361
Exons	5648..5779, 5649..6113, 5784..5966		
Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o3.tw	Method	TBLASTX:Wheat
Start	5649	End	6194
GI	none	Score	319
Exons	5649..5993, 5796..5969, 5988..6194, 6062..6184		
Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o2.ts	Method	TBLASTX:Soybean
Start	6047	End	6392
GI	none	Score	322
Exons	6047..6247, 6048..6392		
Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o4.tm	Method	TBLASTX:Maize
Start	6203	End	6542
GI	none	Score	310
Exons	6203..6541, 6204..6542		
Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o2.tw	Method	TBLASTX:Wheat
Start	6398	End	6874
GI	none	Score	101
Exons	6398..6469, 6399..6473, 6400..6471, 6488..6874, 6489..6836, 6490..6873		
Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o4.ts	Method	TBLASTX:Soybean
Start	6405	End	6746
GI	none	Score	92
Exons	6405..6524, 6431..6511, 6537..6746, 6542..6667		
Seq. No.	11108	Seq. ID	OJ990620_34.9A19.C5
Gene No.	23611	Strand	-
Start	12768	End	12923
Name	OJ990620_34.9A19.C5.o4.gp	Method	AAT/GAP
Start	12768	End	12923
GI	uC-osflcyp053f07a1	Score	201

Exons	12768..12923		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o1.gs	Method	GENSCAN
Start	717	End	6295
GI	none	Score	.46
Exons	717..1470, 1521..1549, 1776..3550, 3653..3953, 4011..5866, 5893..6295		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o1.np	Method	AAT/NAP
Start	1773	End	6292
GI	4680179	Score	5353
Exons	1773..2858, 2892..6292		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o9.tw	Method	TBLASTX:Wheat
Start	1989	End	2215
GI	none	Score	211
Exons	1989..2009, 2016..2213, 2018..2215		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o7.tw	Method	TBLASTX:Wheat
Start	2249	End	2600
GI	none	Score	289
Exons	2249..2443, 2250..2600		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o6.tm	Method	TBLASTX:Maize
Start	2250	End	2555
GI	none	Score	228
Exons	2250..2555, 2264..2380		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o7.tm	Method	TBLASTX:Maize
Start	2883	End	3236
GI	none	Score	187
Exons	2883..3236		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295

Name	OJ990620_34.9A19.C6.o8.tw	Method	TBLASTX:Wheat
Start	2919	End	3356
GI	none	Score	163
Exons	2919..3128, 2975..3127, 3173..3286, 3174..3287, 3315..3356		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o4.tw	Method	TBLASTX:Wheat
Start	3452	End	3938
GI	none	Score	537
Exons	3452..3895, 3456..3938		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o5.tm	Method	TBLASTX:Maize
Start	3467	End	3757
GI	none	Score	318
Exons	3467..3757, 3468..3755		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o4.ts	Method	TBLASTX:Soybean
Start	3492	End	3806
GI	none	Score	188
Exons	3492..3806		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o3.tm	Method	TBLASTX:Maize
Start	3825	End	4325
GI	none	Score	162
Exons	3825..4004, 3833..3979, 4011..4325, 4151..4204, 4232..4282		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o1.ts	Method	TBLASTX:Soybean
Start	3879	End	4274
GI	none	Score	57
Exons	3879..3911, 3881..3910, 3915..4274, 3917..3952, 3983..4273		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o5.tw	Method	TBLASTX:Wheat
Start	3987	End	4289
GI	none	Score	381
Exons	3987..4289, 3989..4273		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o3.tw	Method	TBLASTX:Wheat

Start	4290	End	4704
GI	none	Score	580
Exons	4290..4703, 4319..4702, 4338..4703, 4351..4704		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o3.ts	Method	TBLASTX:Soybean
Start	4296	End	4541
GI	none	Score	204
Exons	4296..4541, 4298..4540		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o2.tm	Method	TBLASTX:Maize
Start	4361	End	4724
GI	none	Score	474
Exons	4361..4711, 4362..4715, 4362..4724		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o1.tw	Method	TBLASTX:Wheat
Start	4704	End	5282
GI	none	Score	658
Exons	4704..5282, 4715..5281		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o1.tc	Method	TBLASTX:Cress
Start	4989	End	5306
GI	none	Score	86
Exons	4989..5162, 5163..5306, 5165..5305		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o2.ts	Method	TBLASTX:Soybean
Start	5070	End	5331
GI	none	Score	296
Exons	5070..5330, 5075..5329, 5149..5331		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o4.tm	Method	TBLASTX:Maize
Start	5129	End	5420
GI	none	Score	374
Exons	5129..5416, 5130..5420		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o2.tw	Method	TBLASTX:Wheat
Start	5289	End	5914

GI	none	Score	584
Exons	5289..5804, 5345..5803, 5801..5914, 5807..5911		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o1.tm	Method	TBLASTX:Maize
Start	5469	End	6067
GI	none	Score	228
Exons	5469..5630, 5477..5623, 5627..5803, 5628..5804, 5801..6067, 5851..6051		

Seq. No.	11109	Seq. ID	OJ990620_34.9A19.C6
Gene No.	23612	Strand	+
Start	717	End	6295
Name	OJ990620_34.9A19.C6.o6.tw	Method	TBLASTX:Wheat
Start	5914	End	6247
GI	none	Score	325
Exons	5914..6183, 5915..6247, 5918..6226		

Seq. No.	11110	Seq. ID	OJ990620_34.9A19.C8
Gene No.	23613	Strand	+
Start	478	End	1116
Name	OJ990620_34.9A19.C8.o1.np	Method	AAT/NAP
Start	478	End	1116
GI	2498930	Score	735
Exons	478..541, 709..1116		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	11110	Seq. ID	OJ990620_34.9A19.C8
Gene No.	23613	Strand	+
Start	478	End	1116
Name	OJ990620_34.9A19.C8.o1.gs	Method	GENSCAN
Start	482	End	1011
GI	none	Score	.47
Exons	482..541, 709..1011		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23614	Strand	+
Start	1	End	6220
Name	OJ990520_22.9A22.C2.o1.np	Method	AAT/NAP
Start	1	End	6202
GI	6714410	Score	884
Exons	1..59, 1040..1233, 2020..2226, 3115..3531, 5078..5356, 5858..6202		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23614	Strand	+
Start	1	End	6220
Name	OJ990520_22.9A22.C2.o1.gs	Method	GENSCAN
Start	2684	End	6220
GI	none	Score	.73
Exons	2684..2833, 3118..3420, 3750..3994, 4000..4108, 4226..4392, 4825..4906, 5078..5356, 5858..6220		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23614	Strand	+
Start	1	End	6220
Name	OJ990520_22.9A22.C2.o1.gp	Method	AAT/GAP
Start	2854	End	2991
GI	3107799	Score	259
Exons	2854..2991		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23614	Strand	+
Start	1	End	6220
Name	OJ990520_22.9A22.C2.o2.gp	Method	AAT/GAP
Start	3920	End	4368
GI	2427727	Score	775
Exons	3920..4368		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23615	Strand	+
Start	17477	End	41367
Name	OJ990520_22.9A22.C2.o4.gs	Method	GENSCAN
Start	17477	End	19356
GI	none	Score	.61
Exons	17477..17570, 17609..17708, 17955..18089, 19206..19356		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23615	Strand	+
Start	17477	End	41367
Name	OJ990520_22.9A22.C2.o3.np	Method	AAT/NAP
Start	18166	End	24058
GI	6175155	Score	727
Exons	18166..18200, 20962..21333, 21494..21580, 21687..21757, 21914..21990, 22119..22266, 22413..22578, 24039..24058		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23615	Strand	+
Start	17477	End	41367
Name	OJ990520_22.9A22.C2.o5.gs	Method	GENSCAN
Start	20327	End	32901
GI	none	Score	.63
Exons	20327..20798, 20902..21333, 21687..21757, 21914..21990, 22119..22266, 22413..22574, 22825..22976, 23726..23938, 24268..24537, 26830..26840, 28479..28567, 29038..29106, 29529..29853, 31057..31100, 31745..31882, 32543..32655, 32736..32901		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23615	Strand	+
Start	17477	End	41367
Name	OJ990520_22.9A22.C2.o4.np	Method	AAT/NAP
Start	23850	End	26081
GI	6457349	Score	194
Exons	23850..23939, 24268..24539, 26061..26081		
GI Descrip.	(AF192276) short chain alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2

Gene No.	23615	Strand	+
Start	17477	End	41367
Name	OJ990520_22.9A22.C2.o5.np	Method	AAT/NAP
Start	25689	End	41367
GI	4680183	Score	195
Exons	25689..25712, 28358..28454, 33888..34001, 40596..40671, 41278..41367		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23616	Strand	+
Start	41721	End	44991
Name	OJ990520_22.9A22.C2.o8.gs	Method	GENSCAN
Start	41721	End	44991
GI	none	Score	.45
Exons	41721..41769, 42019..42662, 43968..44073, 44192..44243, 44820..44991		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23617	Strand	+
Start	45802	End	47309
Name	OJ990520_22.9A22.C2.o9.gs	Method	GENSCAN
Start	45802	End	47309
GI	none	Score	.66
Exons	45802..45906, 46023..46209, 46708..46812, 47221..47309		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23617	Strand	+
Start	45802	End	47309
Name	OJ990520_22.9A22.C2.o7.np	Method	AAT/NAP
Start	45923	End	46132
GI	250102	Score	76
Exons	45923..46132		
GI Descrip.	(S37645) acid phosphatase-1(1), Apase-1(1) [Lycopersicon esculentum=tomatoes, Mill., cv. VFNT, Peptide Partial, 174 aa] [Lycopersicon esculentum]		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23618	Strand	-
Start	6755	End	9188
Name	OJ990520_22.9A22.C2.o3.gp	Method	AAT/GAP
Start	6755	End	8449
GI	101_2.R1084	Score	1359
Exons	6755..7006, 7092..7155, 7271..7386, 7922..8095, 8192..8305, 8403..8449		
GI Descrip.	'4206195/gb|AAD11583.1|AAD11583 9.0e-23 (AF071527) hypothetical protein [Arabidopsis thaliana] >gi_4262169_gb_AAD14469_ (AC005275) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23618	Strand	-
Start	6755	End	9188
Name	OJ990520_22.9A22.C2.o2.gs	Method	GENSCAN
Start	7035	End	9126
GI	none	Score	.66
Exons	7035..7155, 7271..7386, 7922..8095, 8192..8305, 8403..8543, 8683..9126		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23618	Strand	-
Start	6755	End	9188
Name	OJ990520_22.9A22.C2.o2.np	Method	AAT/NAP
Start	7065	End	9135
GI	6862947	Score	875
Exons	7065..7155, 7271..7386, 7922..8095, 8192..8305, 8403..8543, 8683..9135		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23618	Strand	-
Start	6755	End	9188
Name	OJ990520_22.9A22.C2.o4.gp	Method	AAT/GAP
Start	8484	End	9188
GI	25157_1.R1084	Score	1067
Exons	8484..8543, 8683..9188		
GI Descrip.	'4206195/gb|AAD11583.1|AAD11583 2.0e-13 (AF071527) hypothetical protein [Arabidopsis thaliana] >gi_4262169_gb_AAD14469_ (AC005275) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23619	Strand	-
Start	11418	End	17114
Name	OJ990520_22.9A22.C2.o3.gs	Method	GENSCAN
Start	11418	End	17114
GI	none	Score	.7
Exons	11418..11609, 12225..12464, 12569..12717, 14922..15019, 16797..16897, 16989..17114		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23620	Strand	-
Start	23254	End	23331
Name	OJ990520_22.9A22.C2.o5.gp	Method	AAT/GAP
Start	23254	End	23331
GI	LIB3477-003-P1-K1-E9	Score	101
Exons	23254..23331		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o2.tc	Method	TBLASTX:Cress
Start	2020	End	3369
GI	none	Score	198
Exons	2020..2214, 2022..2207, 3115..3165, 3223..3369, 3264..3359		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o3.ts	Method	TBLASTX:Soybean
Start	2083	End	5968
GI	none	Score	70
Exons	2083..2190, 5086..5271, 5087..5359, 5855..5968		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o2.tm	Method	TBLASTX:Maize
Start	3454	End	6076
GI	none	Score	103
Exons	3454..3531, 3454..3531, 3456..3536, 5075..5359, 5075..5347, 5080..5358, 5855..5926, 5857..5898, 5917..6018, 5918..6076, 5918..6019, 5938..6036		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o1.tm	Method	TBLASTX:Maize
Start	6892	End	8484
GI	none	Score	77
Exons	6892..6939, 6894..7007, 7090..7152, 7095..7166, 7267..7383, 7268..7387, 7269..7379, 7270..7404, 7922..8086, 7923..8096, 7923..8096, 7925..8101, 7927..8100, 8190..8300, 8192..8308, 8192..8308, 8193..8309, 8391..8483, 8403..8483, 8404..8484		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o4.ts	Method	TBLASTX:Soybean
Start	7092	End	8093
GI	none	Score	44
Exons	7092..7166, 7123..7152, 7268..7387, 7270..7410, 7271..7387, 7922..8086, 7923..8093, 8004..8090		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o1.ts	Method	TBLASTX:Soybean
Start	8192	End	8778
GI	none	Score	110
Exons	8192..8308, 8217..8309, 8367..8546, 8403..8555, 8404..8547, 8683..8778		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o4.tm	Method	TBLASTX:Maize
Start	8487	End	8973
GI	none	Score	87
Exons	8487..8555, 8491..8547, 8683..8781, 8684..8755, 8743..8964, 8866..8973		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o1.tw	Method	TBLASTX:Wheat
Start	14125	End	17099
GI	none	Score	162
Exons	14125..14274, 14130..14291, 14133..14273, 14921..15025, 14922..15020, 14923..15042, 16794..16898, 16796..16900,		

16797..16898, 16799..16915, 16987..17061, 16989..17099

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o5.tm	Method	TBLASTX:Maize
Start	14860	End	17138
GI	none	Score	126
Exons	14860..15021, 14868..15020, 14902..15042, 14903..15025, 16795..16899, 16796..16897, 16993..17061, 16995..17138, 17098..17133		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o3.tm	Method	TBLASTX:Maize
Start	21033	End	28561
GI	none	Score	345
Exons	21033..21332, 21044..21271, 21505..21582, 21513..21599, 21691..21768, 21692..21760, 21911..21991, 21911..21991, 21913..21993, 22119..22220, 22120..22266, 22413..22577, 28478..28561		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o1.tc	Method	TBLASTX:Cress
Start	21036	End	21582
GI	none	Score	358
Exons	21036..21137, 21039..21335, 21041..21262, 21213..21335, 21289..21336, 21472..21582		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o2.tw	Method	TBLASTX:Wheat
Start	21036	End	21260
GI	none	Score	223
Exons	21036..21260, 21041..21259		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o2.ts	Method	TBLASTX:Soybean
Start	21039	End	21341
GI	none	Score	355
Exons	21039..21341, 21041..21268		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o5.ts	Method	TBLASTX:Soybean
Start	21507	End	28570
GI	none	Score	111
Exons	21507..21581, 21508..21582, 21674..21760, 21691..21768, 21913..21990, 21914..21991, 21919..22002, 22089..22211, 22119..22223, 22120..22266, 22120..22266, 28469..28570		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o6.tm	Method	TBLASTX:Maize
Start	24249	End	24526
GI	none	Score	106
Exons	24249..24332, 24265..24375, 24266..24328, 24268..24480, 24269..24526, 24431..24484		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o6.np	Method	AAT/NAP
Start	26046	End	43149
GI	6175155	Score	140
Exons	26046..26065, 39562..40010, 42665..42859, 43006..43149		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	11111	Seq. ID	OJ990520_22.9A22.C2
Gene No.	23621	Strand	-
Start	26046	End	43149
Name	OJ990520_22.9A22.C2.o7.gs	Method	GENSCAN
Start	38709	End	40487
GI	none	Score	.63
Exons	38709..38888, 39767..39932, 39946..40487		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23622	Strand	+
Start	2100	End	14801
Name	OJ990520_22.9A22.C3.o1.np	Method	AAT/NAP
Start	2100	End	14801
GI	6523547	Score	340
Exons	2100..2316, 3328..3473, 3965..4315, 10445..10590, 12068..12121, 12302..12413, 12575..12709, 14714..14801		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23622	Strand	+
Start	2100	End	14801
Name	OJ990520_22.9A22.C3.o4.gs	Method	GENSCAN
Start	11332	End	13276
GI	none	Score	.63
Exons	11332..11389, 12331..12745, 13162..13276		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23622	Strand	+
Start	2100	End	14801
Name	OJ990520_22.9A22.C3.o2.gp	Method	AAT/GAP
Start	13958	End	14557
GI	3761363	Score	851
Exons	13958..14557		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3

Gene No.	23623	Strand	+
Start	16378	End	18274
Name	OJ990520_22.9A22.C3.o2.np	Method	AAT/NAP
Start	16345	End	18274
GI	134153	Score	79
Exons	16345..16476, 18241..18274		
GI Descrip.	NADP-DEPENDENT D-SORBITOL-6-PHOSPHATE DEHYDROGENASE (ALDOSE-6-PHOSPHATE REDUCTASE [NADPH]) gi|217951|dbj|BAA01853| (D11080) NADP-dependent D-sorbitol-6-phosphate dehydrogenase [Malus domestica] gi|3688805 (AF057134) NADP-dependent sorbitol 6-phosphate dehydrogenase [Malus domestica] gi|445618|prf||1909365A NADP sorbitol phosphate dehydrogenase [Malus domestica]		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23623	Strand	+
Start	16378	End	18274
Name	OJ990520_22.9A22.C3.o5.gs	Method	GENSCAN
Start	16378	End	16509
GI	none	Score	.88
Exons	16378..16509		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23624	Strand	+
Start	20446	End	20910
Name	OJ990520_22.9A22.C3.o6.gs	Method	GENSCAN
Start	20446	End	20910
GI	none	Score	.57
Exons	20446..20451, 20530..20910		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23625	Strand	-
Start	317	End	660
Name	OJ990520_22.9A22.C3.o1.gp	Method	AAT/GAP
Start	317	End	660
GI	2280868	Score	669
Exons	317..660		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23626	Strand	-
Start	3312	End	4352
Name	OJ990520_22.9A22.C3.o2.gs	Method	GENSCAN
Start	3312	End	4352
GI	none	Score	1
Exons	3312..4352		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23627	Strand	-
Start	5538	End	7073
Name	OJ990520_22.9A22.C3.o3.gs	Method	GENSCAN
Start	5538	End	7073
GI	none	Score	.55
Exons	5538..5991, 7018..7073		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23628	Strand	-
Start	16079	End	16157

Name	OJ990520_22.9A22.C3.o4.gp	Method	AAT/GAP
Start	16079	End	16157
GI	LIB3477-003-P1-K1-E9	Score	113
Exons	16079..16157		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23629	Strand	-
Start	18852	End	23140
Name	OJ990520_22.9A22.C3.o4.np	Method	AAT/NAP
Start	18852	End	23140
GI	5042454	Score	72
Exons	18852..18872, 21478..21649, 23086..23140		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11112	Seq. ID	OJ990520_22.9A22.C3
Gene No.	23629	Strand	-
Start	18852	End	23140
Name	OJ990520_22.9A22.C3.o7.gs	Method	GENSCAN
Start	21201	End	21835
GI	none	Score	.78
Exons	21201..21359, 21559..21666, 21788..21835		

Seq. No.	11113	Seq. ID	OJ990520_22.9A22.C4
Gene No.	23630	Strand	+
Start	2486	End	2590
Name	OJ990520_22.9A22.C4.o3.np	Method	AAT/NAP
Start	2486	End	2590
GI	6721561	Score	86
Exons	2486..2590		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11113	Seq. ID	OJ990520_22.9A22.C4
Gene No.	23631	Strand	+
Start	3082	End	3186
Name	OJ990520_22.9A22.C4.o1.gp	Method	AAT/GAP
Start	3082	End	3186
GI	uC-osflcyp088b12b1	Score	140
Exons	3082..3186		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11113	Seq. ID	OJ990520_22.9A22.C4
Gene No.	23632	Strand	-
Start	168	End	3771
Name	OJ990520_22.9A22.C4.o1.np	Method	AAT/NAP
Start	168	End	3078
GI	6815109	Score	484
Exons	168..459, 491..705, 869..1668, 3035..3078		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11113	Seq. ID	OJ990520_22.9A22.C4
Gene No.	23632	Strand	-
Start	168	End	3771
Name	OJ990520_22.9A22.C4.o2.np	Method	AAT/NAP
Start	2365	End	3771
GI	4680183	Score	99
Exons	2365..2453, 3724..3771		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	11113	Seq. ID	OJ990520_22.9A22.C4
Gene No.	23632	Strand	-
Start	168	End	3771
Name	OJ990520_22.9A22.C4.o2.gs	Method	GENSCAN
Start	2616	End	3077
GI	none	Score	.57
Exons	2616..2721, 2968..3077		

Seq. No.	11114	Seq. ID	OJ990520_22.9A22.C5
Gene No.	23633	Strand	+
Start	45	End	124
Name	OJ990520_22.9A22.C5.o1.gs	Method	GENSCAN
Start	45	End	124
GI	none	Score	.83
Exons	45..124		

Seq. No.	11115	Seq. ID	OJ990520_22.9A22.C6
Gene No.	23634	Strand	-
Start	1	End	16109
Name	OJ990520_22.9A22.C6.o1.np	Method	AAT/NAP
Start	1	End	16109
GI	6714410	Score	991
Exons	1..21, 402..607, 716..934, 1558..1718, 1832..2024, 3599..3662, 3996..4161, 4237..4342, 5398..5561, 6188..6322, 6392..6634, 16035..16109		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	11115	Seq. ID	OJ990520_22.9A22.C6
Gene No.	23634	Strand	-
Start	1	End	16109
Name	OJ990520_22.9A22.C6.o1.gs	Method	GENSCAN
Start	381	End	14671
GI	none	Score	.71
Exons	381..537, 1832..2024, 3599..3689, 4029..4161, 5421..5561, 5682..5743, 5824..5911, 6188..6617, 6732..7046, 7788..7957, 7991..8091, 8251..8403, 9729..9779, 11494..11547, 11896..12007, 12437..12899, 13064..13472, 13922..13996, 14512..14671		

Seq. No.	11115	Seq. ID	OJ990520_22.9A22.C6
Gene No.	23634	Strand	-
Start	1	End	16109
Name	OJ990520_22.9A22.C6.o1.gp	Method	AAT/GAP
Start	4034	End	5568
GI	426419	Score	714
Exons	4034..4161, 4237..4362, 5421..5568		

Seq. No.	11115	Seq. ID	OJ990520_22.9A22.C6
Gene No.	23634	Strand	-

Start	1	End	16109
Name	OJ990520_22.9A22.C6.o2.gp	Method	AAT/GAP
Start	12461	End	12738
GI	none	Score	437
Exons	12461..12738		

Seq. No.	11115	Seq. ID	OJ990520_22.9A22.C6
Gene No.	23635	Strand	
Start	19683	End	20025
Name	OJ990520_22.9A22.C6.o2.tw	Method	TBLASTX:Wheat
Start	19683	End	20025
GI	none	Score	66
Exons	19683..19814, 19810..20025, 19848..20024		

Seq. No.	11115	Seq. ID	OJ990520_22.9A22.C6
Gene No.	23636	Strand	
Start	20230	End	20714
Name	OJ990520_22.9A22.C6.o1.tw	Method	TBLASTX:Wheat
Start	20230	End	20684
GI	none	Score	357
Exons	20230..20601, 20256..20594, 20290..20601, 20601..20684, 20612..20683		

Seq. No.	11115	Seq. ID	OJ990520_22.9A22.C6
Gene No.	23636	Strand	
Start	20230	End	20714
Name	OJ990520_22.9A22.C6.o1.tm	Method	TBLASTX:Maize
Start	20358	End	20714
GI	none	Score	276
Exons	20358..20591, 20359..20592, 20549..20713, 20598..20714		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23637	Strand	+
Start	1	End	1735
Name	OJ990430_20.9A20.C1.o1.np	Method	AAT/NAP
Start	1	End	774
GI	4887620	Score	429
Exons	1..162, 259..390, 640..774		
GI Descrip.	(AB007629) homeobox gene [Oryza sativa]		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23637	Strand	+
Start	1	End	1735
Name	OJ990430_20.9A20.C1.o1.gp	Method	AAT/GAP
Start	256	End	1196
GI	40_1.R1084	Score	1080
Exons	256..390, 640..773, 883..1196		
GI Descrip.	'4887620/dbj|BAA77823.1| 1.0e-104 (AB007629) homeobox gene [Oryza sativa]'		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23637	Strand	+
Start	1	End	1735
Name	OJ990430_20.9A20.C1.o1.gs	Method	GENSCAN
Start	259	End	1735
GI	none	Score	.83
Exons	259..390, 640..773, 1202..1312, 1648..1735		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o1.tm	Method	TBLASTX:Maize
Start	255	End	810
GI	none	Score	243
Exons	255..392, 256..390, 638..775, 640..810, 669..776		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o2.ts	Method	TBLASTX:Soybean
Start	255	End	774
GI	none	Score	236
Exons	255..392, 256..390, 640..747, 643..738, 669..740, 733..774		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o2.tc	Method	TBLASTX:Cress
Start	255	End	774
GI	none	Score	217
Exons	255..437, 256..390, 640..774, 669..737		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o1.tw	Method	TBLASTX:Wheat
Start	255	End	783
GI	none	Score	194
Exons	255..434, 256..390, 571..600, 640..783, 640..738, 669..749		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o2.gp	Method	AAT/GAP
Start	1906	End	3893
GI	29167_1.R1084	Score	1716
Exons	1906..2587, 2787..2912, 3021..3116, 3748..3812, 3839..3893		
GI Descrip.	'3451072/emb|CAA20468.1| 2.0e-35 (AL031326) putative protein [Arabidopsis thaliana]'		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o2.tm	Method	TBLASTX:Maize
Start	2265	End	2843
GI	none	Score	41
Exons	2265..2348, 2277..2363, 2283..2306, 2315..2365, 2328..2375, 2359..2490, 2372..2416, 2414..2482, 2416..2595, 2478..2591, 2675..2692, 2786..2839, 2791..2841, 2793..2843		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o2.gs	Method	GENSCAN

Start	2267	End	3963
GI	none	Score	.51
Exons	2267..2748, 2788..2866, 3748..3829, 3926..3963		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o2.np	Method	AAT/NAP
Start	2360	End	5337
GI	6358788	Score	828
Exons	2360..2416, 2453..2587, 2787..2912, 3021..3116, 3748..3829, 3926..3982, 5100..5121, 5235..5337		
GI Descrip.	(AC010852) unknown protein [Arabidopsis thaliana]		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o1.ts	Method	TBLASTX:Soybean
Start	2365	End	5331
GI	none	Score	126
Exons	2365..2532, 2366..2533, 2454..2543, 2475..2534, 2511..2591, 2537..2593, 2543..2593, 2675..2713, 2787..2909, 2787..2912, 2791..2913, 3020..3103, 3021..3119, 3022..3117, 3745..3831, 3746..3832, 3922..3990, 3924..4007, 3925..4008, 5236..5331, 5237..5329		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o1.tc	Method	TBLASTX:Cress
Start	3021	End	5341
GI	none	Score	100
Exons	3021..3119, 3022..3117, 3745..3831, 3746..3832, 3922..3981, 3923..3982, 3924..3983, 3925..3993, 5236..5340, 5237..5341		

Seq. No.	11116	Seq. ID	OJ990430_20.9A20.C1
Gene No.	23638	Strand	-
Start	1906	End	5341
Name	OJ990430_20.9A20.C1.o3.gs	Method	GENSCAN
Start	4400	End	5337
GI	none	Score	.58
Exons	4400..4500, 5100..5337		

Seq. No.	11117	Seq. ID	OJ990430_20.9A20.C2
Gene No.	23639	Strand	+
Start	6272	End	8324
Name	OJ990430_20.9A20.C2.o3.gs	Method	GENSCAN
Start	6272	End	8324
GI	none	Score	.99
Exons	6272..6575, 6718..6995, 8268..8324		

Seq. No.	11117	Seq. ID	OJ990430_20.9A20.C2
Gene No.	23640	Strand	+
Start	8751	End	14963
Name	OJ990430_20.9A20.C2.o2.np	Method	AAT/NAP
Start	8751	End	14963
GI	5922631	Score	198

Exons	8751..8779, 11067..11237, 14928..14963		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	11117	Seq. ID	OJ990430_20.9A20.C2
Gene No.	23640	Strand	+
Start	8751	End	14963
Name	OJ990430_20.9A20.C2.o4.gs	Method	GENSCAN
Start	9803	End	13931
GI	none	Score	.75
Exons	9803..9866, 10132..10242, 11037..11237, 12080..12237, 13485..13931		

Seq. No.	11117	Seq. ID	OJ990430_20.9A20.C2
Gene No.	23640	Strand	+
Start	8751	End	14963
Name	OJ990430_20.9A20.C2.o3.np	Method	AAT/NAP
Start	13187	End	14963
GI	6907086	Score	1123
Exons	13187..13959, 14020..14177, 14397..14577, 14619..14797, 14910..14963		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11117	Seq. ID	OJ990430_20.9A20.C2
Gene No.	23641	Strand	-
Start	5176	End	5419
Name	OJ990430_20.9A20.C2.o1.np	Method	AAT/NAP
Start	5176	End	5419
GI	4584355	Score	191
Exons	5176..5419		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	11117	Seq. ID	OJ990430_20.9A20.C2
Gene No.	23642	Strand	
Start	6313	End	6582
Name	OJ990430_20.9A20.C2.o1.tm	Method	TBLASTX:Maize
Start	6313	End	6582
GI	none	Score	131
Exons	6313..6396, 6314..6397, 6485..6577, 6493..6582		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o5.tw	Method	TBLASTX:Wheat
Start	161	End	556
GI	none	Score	337
Exons	161..556, 298..540		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o1.tw	Method	TBLASTX:Wheat

Start	799	End	1255
GI	none	Score	478
Exons	799..1254, 800..1255		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o3.ts	Method	TBLASTX:Soybean
Start	839	End	1204
GI	none	Score	134
Exons	839..1063, 1070..1204		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o1.np	Method	AAT/NAP
Start	854	End	3266
GI	5902445	Score	3824
Exons	854..3266		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o3.tm	Method	TBLASTX:Maize
Start	929	End	1285
GI	none	Score	373
Exons	929..1285, 970..1275		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o2.tw	Method	TBLASTX:Wheat
Start	1370	End	1794
GI	none	Score	432
Exons	1370..1789, 1414..1794		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o1.ts	Method	TBLASTX:Soybean
Start	1457	End	1849
GI	none	Score	300
Exons	1457..1849, 1465..1608, 1481..1780		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o2.tm	Method	TBLASTX:Maize
Start	1516	End	1960
GI	none	Score	277
Exons	1516..1770, 1517..1771, 1517..1771, 1793..1936, 1934..1960		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o6.tw	Method	TBLASTX:Wheat

Start	1799	End	2083
GI	none	Score	272
Exons	1799..2080, 1808..1906, 1988..2083		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o2.ts	Method	TBLASTX:Soybean
Start	2075	End	2463
GI	none	Score	255
Exons	2075..2461, 2083..2169, 2224..2463		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o3.tw	Method	TBLASTX:Wheat
Start	2084	End	2506
GI	none	Score	396
Exons	2084..2506, 2089..2430		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o4.tm	Method	TBLASTX:Maize
Start	2138	End	2410
GI	none	Score	135
Exons	2138..2308, 2312..2410		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o4.tw	Method	TBLASTX:Wheat
Start	2809	End	3195
GI	none	Score	176
Exons	2809..2958, 2810..2962, 2938..3195, 2943..3119, 3004..3195		

Seq. No.	11118	Seq. ID	OJ990430_20.9A20.C3
Gene No.	23643	Strand	+
Start	854	End	3266
Name	OJ990430_20.9A20.C3.o1.tm	Method	TBLASTX:Maize
Start	2810	End	3165
GI	none	Score	189
Exons	2810..2962, 2824..2958, 2943..3125, 2953..3126, 3118..3165		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23644	Strand	+
Start	10809	End	17256
Name	OJ990430_20.9A20.C4.o4.gs	Method	GENSCAN
Start	10809	End	17256
GI	none	Score	.51
Exons	10809..11022, 11088..11324, 12059..12254, 12789..12979, 13458..13607, 15645..15706, 16355..16557, 16788..16947, 17032..17256		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23644	Strand	+
Start	10809	End	17256

Name	OJ990430_20.9A20.C4.o2.gp	Method	AAT/GAP
Start	12825	End	13272
GI	uC-osflcyp173b03b1	Score	880
Exons	12825..13272		
GI Descrip.	'4263821/gb|AAD15464| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23645	Strand	+
Start	23261	End	25779
Name	OJ990430_20.9A20.C4.o6.gs	Method	GENSCAN
Start	23261	End	25779
GI	none	Score	.72
Exons	23261..23323, 24956..25092, 25154..25419, 25565..25779		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23646	Strand	+
Start	26227	End	26471
Name	OJ990430_20.9A20.C4.o4.gp	Method	AAT/GAP
Start	26227	End	26471
GI	8022_1.R1084	Score	322
Exons	26227..26471		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23647	Strand	+
Start	29799	End	30704
Name	OJ990430_20.9A20.C4.o8.gs	Method	GENSCAN
Start	29799	End	30704
GI	none	Score	.78
Exons	29799..29864, 30237..30704		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23648	Strand	-
Start	1	End	3303
Name	OJ990430_20.9A20.C4.o1.np	Method	AAT/NAP
Start	1	End	3235
GI	4263821	Score	662
Exons	1..59, 211..292, 1077..1164, 1238..1377, 2486..2634, 2725..2808, 2897..2994, 3058..3235		
GI Descrip.	(AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23648	Strand	-
Start	1	End	3303
Name	OJ990430_20.9A20.C4.o1.gs	Method	GENSCAN
Start	219	End	3166
GI	none	Score	.87
Exons	219..292, 1077..1164, 1238..1377, 1751..1837, 2521..2634, 2725..2847, 2897..3018, 3058..3166		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23648	Strand	-
Start	1	End	3303
Name	OJ990430_20.9A20.C4.o1.gp	Method	AAT/GAP
Start	2885	End	3303

GI	3061057	Score	544
Exons	2885..2973, 3058..3303		
GI Descrip.	4263821/gb|AAD15464| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23649	Strand	-
Start	3460	End	7218
Name	OJ990430_20.9A20.C4.o2.gs	Method	GENSCAN
Start	3460	End	7218
GI	none	Score	.58
Exons	3460..3593, 4121..4240, 5185..5219, 5883..5974, 7051..7218		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23650	Strand	-
Start	9123	End	10015
Name	OJ990430_20.9A20.C4.o3.gs	Method	GENSCAN
Start	9123	End	10015
GI	none	Score	.48
Exons	9123..9212, 9962..10015		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23651	Strand	-
Start	18645	End	22749
Name	OJ990430_20.9A20.C4.o5.gs	Method	GENSCAN
Start	18645	End	22749
GI	none	Score	.88
Exons	18645..18743, 18837..19046, 19126..19255, 19340..19510, 20346..20468, 20560..20664, 21401..22170, 22618..22749		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23651	Strand	-
Start	18645	End	22749
Name	OJ990430_20.9A20.C4.o2.np	Method	AAT/NAP
Start	18722	End	22077
GI	2505874	Score	1308
Exons	18722..19046, 19126..19255, 19340..19510, 20346..20468, 20560..20664, 21401..21771, 21900..22077		
GI Descrip.	(Y12776) putative kinase [Arabidopsis thaliana]		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23651	Strand	-
Start	18645	End	22749
Name	OJ990430_20.9A20.C4.o3.gp	Method	AAT/GAP
Start	18929	End	20439
GI	20801_1.R1084	Score	933
Exons	18929..19046, 19126..19255, 19340..19510, 20346..20439		
GI Descrip.	'2505874/emb|CAA73303| 1.0e-75 (Y12776) putative kinase [Arabidopsis thaliana]'		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o3.tm	Method	TBLASTX:Maize
Start	211	End	1849
GI	none	Score	95
Exons	211..288, 218..289, 218..292, 219..335, 220..294, 1072..1161,		

1073..1162, 1074..1163, 1074..1208, 1075..1170, 1221..1379,
1237..1377, 1240..1380, 1241..1378, 1745..1849, 1746..1838,
1750..1839, 1751..1840

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o2.tw	Method	TBLASTX:Wheat
Start	1074	End	1302
GI	none	Score	159
Exons	1074..1196, 1075..1191, 1076..1225, 1207..1302, 1222..1302		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o4.tc	Method	TBLASTX:Cress
Start	1074	End	2611
GI	none	Score	68
Exons	1074..1169, 1074..1235, 1234..1380, 1240..1377, 1278..1382, 1745..1849, 1746..1853, 2518..2610, 2522..2611		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o3.ts	Method	TBLASTX:Soybean
Start	1074	End	3239
GI	none	Score	47
Exons	1074..1172, 1075..1149, 1234..1380, 1237..1377, 1277..1378, 1745..1855, 2518..2547, 2542..2649, 2683..2811, 2726..2809, 2897..2959, 2898..2963, 3059..3238, 3078..3239		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o6.tm	Method	TBLASTX:Maize
Start	2590	End	3158
GI	none	Score	79
Exons	2590..2649, 2590..2643, 2595..2648, 2683..2811, 2684..2809, 2897..2959, 2898..2972, 2949..2972, 3059..3112, 3060..3158, 3123..3158		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o1.tm	Method	TBLASTX:Maize
Start	18552	End	20464
GI	none	Score	50
Exons	18552..18617, 18572..18616, 18651..18719, 18658..18720, 18723..18743, 18818..18985, 18837..19049, 18852..19049, 19121..19252, 19122..19253, 19123..19254, 19123..19254, 19333..19401, 19334..19408, 19337..19408, 19358..19483, 19387..19509, 19398..19511, 19404..19508, 19405..19512, 20330..20464, 20330..20464		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700

Name	OJ990430_20.9A20.C4.o1.tc	Method	TBLASTX:Cress
Start	18837	End	19243
GI	none	Score	74
Exons	18837..19049, 18883..18945, 19126..19242, 19127..19243		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o1.ts	Method	TBLASTX:Soybean
Start	18846	End	20699
GI	none	Score	107
Exons	18846..18902, 18879..19058, 18879..19049, 19121..19255, 19123..19254, 19174..19257, 19333..19509, 19334..19483, 19342..19509, 20330..20470, 20353..20472, 20354..20473, 20559..20699, 20560..20667		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o1.tw	Method	TBLASTX:Wheat
Start	19123	End	19509
GI	none	Score	51
Exons	19123..19254, 19151..19246, 19333..19509, 19340..19483, 19405..19503		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o2.tc	Method	TBLASTX:Cress
Start	19333	End	20667
GI	none	Score	143
Exons	19333..19509, 19334..19483, 20330..20470, 20348..20473, 20383..20472, 20559..20666, 20566..20667		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o5.tm	Method	TBLASTX:Maize
Start	20559	End	21635
GI	none	Score	107
Exons	20559..20666, 20559..20666, 20560..20667, 21390..21521, 21391..21567, 21400..21567, 21539..21568, 21587..21622, 21588..21635		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o3.tc	Method	TBLASTX:Cress
Start	21394	End	21567
GI	none	Score	129
Exons	21394..21567, 21400..21567		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o4.ts	Method	TBLASTX:Soybean
Start	21403	End	21564

GI	none	Score	212
Exons	21403..21564		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o5.gp	Method	AAT/GAP
Start	27930	End	28734
GI	24037_1.R1084	Score	636
Exons	27930..28072, 28449..28549, 28634..28734		
GI Descrip.	'3702338 1.0e-38 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o7.gs	Method	GENSCAN
Start	27943	End	28678
GI	none	Score	.85
Exons	27943..28072, 28449..28549, 28634..28678		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o3.np	Method	AAT/NAP
Start	27946	End	31362
GI	3702338	Score	826
Exons	27946..28072, 28449..28549, 28634..28756, 28861..28975, 29054..29138, 29445..29485, 29567..29613, 29760..29837, 29942..30001, 30096..30149, 30300..30376, 30454..30610, 31336..31362		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o2.ts	Method	TBLASTX:Soybean
Start	28470	End	29085
GI	none	Score	69
Exons	28470..28550, 28472..28549, 28631..28711, 28631..28753, 28632..28748, 28861..28974, 28865..28996, 28895..28996, 29032..29085		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o2.tm	Method	TBLASTX:Maize
Start	28472	End	29009
GI	none	Score	70
Exons	28472..28549, 28473..28550, 28631..28756, 28632..28766, 28858..29001, 28859..28984, 28859..29002, 28860..29009		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o6.gp	Method	AAT/GAP
Start	29436	End	30017

GI	LIB3474-010-P1-K1-H10	Score	538
Exons	29436..29613, 29760..29837, 29942..30017		
GI Descrip.	'3702338 2.0e-15 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o7.gp	Method	AAT/GAP
Start	31079	End	33251
GI	4681_1.R1084	Score	2008
Exons	31079..31494, 31775..31891, 31980..32267, 32537..32706, 33141..33251		
GI Descrip.	'2632252/emb|CAA73067| 4.0e-18 (Y12464) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o9.gs	Method	GENSCAN
Start	31091	End	34700
GI	none	Score	.93
Exons	31091..31206, 31328..31389, 31442..31494, 31775..31891, 31980..32267, 32537..32706, 33141..33231, 33369..33456, 33520..33647, 33841..33920, 34027..34111, 34568..34700		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o4.tm	Method	TBLASTX:Maize
Start	31246	End	34676
GI	none	Score	44
Exons	31246..31347, 31438..31503, 31438..31497, 31439..31513, 31439..31489, 31769..31894, 31773..31892, 31780..31893, 31787..31930, 31979..32026, 31979..32020, 31981..32052, 32009..32269, 32145..32276, 32146..32268, 32169..32291, 32527..32613, 32535..32606, 32537..32626, 32612..32710, 32613..32726, 33129..33227, 33142..33255, 33145..33231, 33351..33443, 33366..33437, 33371..33445, 33519..33599, 33520..33621, 33521..33643, 33837..33923, 33841..33921, 33842..33925, 34007..34108, 34012..34113, 34022..34084, 34029..34118, 34560..34676, 34568..34645		

Seq. No.	11119	Seq. ID	OJ990430_20.9A20.C4
Gene No.	23652	Strand	-
Start	27943	End	34700
Name	OJ990430_20.9A20.C4.o4.np	Method	AAT/NAP
Start	31432	End	34645
GI	6692106	Score	601
Exons	31432..31494, 31775..31897, 31980..32296, 32533..32756, 33163..33203, 33362..33435, 33520..33619, 33754..33920, 34027..34111, 34568..34645		
GI Descrip.	(AC007764) F22C12.25 [Arabidopsis thaliana]		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23653	Strand	+
Start	2271	End	6425

Name	OJ990430_20.9A20.C5.o1.np	Method	AAT/NAP
Start	2271	End	6410
GI	2956717	Score	776
Exons	2271..2358, 3273..3336, 4189..4342, 4448..4506, 4591..4797, 5731..5856, 5980..6036, 6336..6410		
GI Descrip.	(Y09722) beta-carotene hydroxylase 2 [Capsicum annuum]		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23653	Strand	+
Start	2271	End	6425
Name	OJ990430_20.9A20.C5.o2.gs	Method	GENSCAN
Start	4027	End	6425
GI	none	Score	.66
Exons	4027..4506, 4591..4797, 5584..5611, 5732..5838, 5980..6036, 6336..6425		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23654	Strand	+
Start	7620	End	9297
Name	OJ990430_20.9A20.C5.o3.gs	Method	GENSCAN
Start	7620	End	9141
GI	none	Score	.82
Exons	7620..7851, 7893..8080, 8214..8414, 8806..9141		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23654	Strand	+
Start	7620	End	9297
Name	OJ990430_20.9A20.C5.o2.gp	Method	AAT/GAP
Start	7763	End	9297
GI	904_1.R1084	Score	1878
Exons	7763..8080, 8214..8414, 8806..9297		
GI Descrip.	'3777600 1.0e-131 (AF095708) 50S ribosomal protein L5 [Oryza sativa]'		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23654	Strand	+
Start	7620	End	9297
Name	OJ990430_20.9A20.C5.o2.np	Method	AAT/NAP
Start	7776	End	9138
GI	3777600	Score	1318
Exons	7776..8080, 8214..8414, 8806..9138		
GI Descrip.	(AF095708) 50S ribosomal protein L5 [Oryza sativa]		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23655	Strand	+
Start	9361	End	9772
Name	OJ990430_20.9A20.C5.o3.gp	Method	AAT/GAP
Start	9361	End	9772
GI	37628_1.R1084	Score	737
Exons	9361..9772		
GI Descrip.	'3738338 6.0e-11 (AC005170) putative polygalacturonase [Arabidopsis thaliana]'		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23656	Strand	+
Start	17096	End	23380
Name	OJ990430_20.9A20.C5.o4.np	Method	AAT/NAP

Start	16976	End	23380
GI	3063699	Score	114
Exons	16976..17403, 18647..18715, 19587..19747, 23315..23380		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23656	Strand	+
Start	17096	End	23380
Name	OJ990430_20.9A20.C5.o6.gs	Method	GENSCAN
Start	17096	End	20636
GI	none	Score	.47
Exons	17096..17130, 17180..17551, 17907..17926, 18635..19089, 20466..20636		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23657	Strand	-
Start	6317	End	6663
Name	OJ990430_20.9A20.C5.o1.gp	Method	AAT/GAP
Start	6317	End	6663
GI	none	Score	633
Exons	6317..6663		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23658	Strand	-
Start	9472	End	13431
Name	OJ990430_20.9A20.C5.o3.np	Method	AAT/NAP
Start	9466	End	13431
GI	6850840	Score	1262
Exons	9466..10154, 10253..10323, 10419..10593, 10706..10826, 11980..12204, 13315..13431		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23658	Strand	-
Start	9472	End	13431
Name	OJ990430_20.9A20.C5.o4.gs	Method	GENSCAN
Start	9472	End	12418
GI	none	Score	.9
Exons	9472..10154, 10253..10413, 10419..10593, 10706..10826, 11980..12282, 12395..12418		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23658	Strand	-
Start	9472	End	13431
Name	OJ990430_20.9A20.C5.o4.gp	Method	AAT/GAP
Start	10084	End	10854
GI	uC-osflcyp086g06b1	Score	779
Exons	10084..10154, 10253..10323, 10419..10593, 10706..10854		
GI Descrip.	'3738338 9.0e-52 (AC005170) putative polygalacturonase [Arabidopsis thaliana]'		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23658	Strand	-
Start	9472	End	13431
Name	OJ990430_20.9A20.C5.o5.gp	Method	AAT/GAP
Start	12105	End	12637
GI	none	Score	805

Exons	12105..12282, 12395..12637		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o3.tm	Method	TBLASTX:Maize
Start	4233	End	6038
GI	none	Score	162
Exons	4233..4346, 4234..4347, 4434..4493, 4441..4509, 4443..4508, 4584..4805, 4585..4797, 5705..5848, 5730..5852, 5731..5859, 5734..5856, 5977..6036, 5977..6036, 5979..6038		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o4.tc	Method	TBLASTX:Cress
Start	4233	End	6038
GI	none	Score	147
Exons	4233..4352, 4234..4347, 4449..4508, 4450..4509, 4584..4643, 4645..4797, 4647..4805, 5730..5858, 5731..5859, 5977..6036, 5982..6038, 5982..6038		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o3.ts	Method	TBLASTX:Soybean
Start	4599	End	6041
GI	none	Score	260
Exons	4599..4805, 4642..4797, 5730..5858, 5731..5859, 5977..6036, 5977..6036, 5991..6041		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o5.tm	Method	TBLASTX:Maize
Start	7775	End	8252
GI	none	Score	76
Exons	7775..7867, 7776..7838, 7951..8082, 7961..8083, 7994..8092, 8211..8252, 8213..8248		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o2.tc	Method	TBLASTX:Cress
Start	7954	End	9143
GI	none	Score	120
Exons	7954..8082, 7961..8083, 8190..8432, 8202..8303, 8213..8419, 8805..8990, 8806..9060, 9070..9141, 9084..9143		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o2.ts	Method	TBLASTX:Soybean
Start	7954	End	9141
GI	none	Score	138
Exons	7954..8082, 7961..8083, 7988..8083, 8211..8432, 8213..8446, 8803..9114, 8806..9135, 8820..9134, 9118..9141		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o2.tm	Method	TBLASTX:Maize
Start	8255	End	9242
GI	none	Score	211
Exons	8255..8446, 8256..8417, 8264..8431, 8803..9135, 8806..9126, 8808..9131, 9201..9242		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o4.tm	Method	TBLASTX:Maize
Start	9470	End	9648
GI	none	Score	237
Exons	9470..9616, 9472..9648, 9473..9640		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o1.tc	Method	TBLASTX:Cress
Start	9554	End	9846
GI	none	Score	159
Exons	9554..9781, 9562..9846, 9589..9846		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o1.ts	Method	TBLASTX:Soybean
Start	9562	End	12201
GI	none	Score	455
Exons	9562..10155, 9566..10156, 10254..10337, 10255..10326, 10415..10594, 10424..10600, 10704..10850, 10704..10847, 11974..12201, 11975..12181		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o2.tw	Method	TBLASTX:Wheat
Start	9607	End	9903
GI	none	Score	195
Exons	9607..9903		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o1.tm	Method	TBLASTX:Maize
Start	9649	End	12112
GI	none	Score	86
Exons	9649..10155, 9653..9820, 9866..9910, 9944..9994, 10019..10156, 10227..10337, 10255..10302, 10415..10594, 10418..10600, 10704..10814, 11983..12099, 11984..12112		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296

Name	OJ990430_20.9A20.C5.o6.tc	Method	TBLASTX:Cress
Start	9859	End	10156
GI	none	Score	125
Exons	9859..9912, 9881..10156, 9952..10155		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o3.tc	Method	TBLASTX:Cress
Start	10254	End	10833
GI	none	Score	64
Exons	10254..10337, 10418..10597, 10710..10808, 10717..10833		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o1.tw	Method	TBLASTX:Wheat
Start	10284	End	10814
GI	none	Score	73
Exons	10284..10322, 10421..10600, 10545..10616, 10704..10814		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o5.tc	Method	TBLASTX:Cress
Start	11980	End	12201
GI	none	Score	185
Exons	11980..12201, 11987..12190		

Seq. No.	11120	Seq. ID	OJ990430_20.9A20.C5
Gene No.	23659	Strand	-
Start	22391	End	23296
Name	OJ990430_20.9A20.C5.o7.gs	Method	GENSCAN
Start	22391	End	23296
GI	none	Score	.57
Exons	22391..23296		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23660	Strand	+
Start	3404	End	3860
Name	OJ990430_20.9A20.C7.o1.gp	Method	AAT/GAP
Start	3404	End	3860
GI	uC-osrocyp006h05a1	Score	902
Exons	3404..3860		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 7.0e-33 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23661	Strand	+
Start	6169	End	6549
Name	OJ990430_20.9A20.C7.o3.gp	Method	AAT/GAP
Start	6169	End	6549
GI	none	Score	762
Exons	6169..6549		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23662	Strand	+
Start	15014	End	15436
Name	OJ990430_20.9A20.C7.o5.gp	Method	AAT/GAP
Start	15014	End	15436
GI	none	Score	830
Exons	15014..15436		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o1.tm	Method	TBLASTX:Maize
Start	3501	End	8596
GI	none	Score	51
Exons	3501..3587, 3574..3594, 3629..3847, 3629..3847, 3631..3849, 3856..4239, 3862..4698, 3863..4702, 8063..8101, 8186..8233, 8309..8434, 8474..8545, 8492..8596		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o2.gs	Method	GENSCAN
Start	3676	End	5076
GI	none	Score	.7
Exons	3676..5076		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o1.np	Method	AAT/NAP
Start	3706	End	13416
GI	2252836	Score	1486
Exons	3706..4626, 10904..12062, 13186..13416		
GI Descrip.	(AF013293) contains weak similarity to S. cerevisiae BOB1 protein (PIR:S45444) [Arabidopsis thaliana] gi|6049878|gb|AAF02793.1|AF195115_13 (AF195115) contains weak similarity to S. cerevisiae BOB1 protein (PIR:S45444) [Arabidopsis thaliana]		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o3.ts	Method	TBLASTX:Soybean
Start	3889	End	8410
GI	none	Score	152
Exons	3889..4239, 3914..4243, 4246..4302, 4253..4303, 4381..4497, 4384..4524, 7979..8053, 8048..8089, 8192..8239, 8306..8410		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o2.gp	Method	AAT/GAP
Start	4590	End	5123
GI	44731_1.R1084	Score	1026
Exons	4590..5123		
GI Descrip.	'1644291/emb|CAA97692| 7.0e-11 (Z73295) receptor-like protein kinase [Catharanthus roseus]'		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o5.tm	Method	TBLASTX:Maize
Start	4703	End	4969
GI	none	Score	72
Exons	4703..4759, 4708..4830, 4708..4839, 4802..4840, 4853..4915, 4903..4968, 4925..4969		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o3.gs	Method	GENSCAN
Start	6476	End	9343
GI	none	Score	.99
Exons	6476..9343		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o1.ts	Method	TBLASTX:Soybean
Start	6626	End	7528
GI	none	Score	675
Exons	6626..7528, 6633..7526		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o2.tm	Method	TBLASTX:Maize
Start	6626	End	7531
GI	none	Score	210
Exons	6626..6949, 6653..7219, 6900..7220, 7226..7531, 7233..7526		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o4.tc	Method	TBLASTX:Cress
Start	6651	End	6961
GI	none	Score	164
Exons	6651..6959, 6656..6961		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o1.tc	Method	TBLASTX:Cress
Start	6962	End	7516
GI	none	Score	44
Exons	6962..7426, 6975..7010, 6996..7427, 7424..7516, 7425..7514		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o1.tw	Method	TBLASTX:Wheat
Start	6977	End	7360
GI	none	Score	158
Exons	6977..7084, 6978..7085, 7088..7222, 7092..7229, 7214..7360,		

7215..7358

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o4.gp	Method	AAT/GAP
Start	7398	End	7854
GI	uC-osroM202023d09b1	Score	910
Exons	7398..7854		
GI Descrip.	'5679841/emb|CAB51834.1| 3.0e-09 (AJ243961) contains eukaryotic protein kinase domain PF_00069 [Oryza sativa]'		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o4.gs	Method	GENSCAN
Start	10053	End	12974
GI	none	Score	.8
Exons	10053..10153, 10268..10433, 10697..10807, 10904..11182, 11273..12364, 12930..12974		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o5.tc	Method	TBLASTX:Cress
Start	10775	End	11204
GI	none	Score	39
Exons	10775..10810, 10776..10808, 10904..10945, 10905..10946, 10931..11203, 11073..11204		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o3.tm	Method	TBLASTX:Maize
Start	11021	End	11437
GI	none	Score	365
Exons	11021..11437, 11067..11432		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o2.ts	Method	TBLASTX:Soybean
Start	11072	End	11710
GI	none	Score	152
Exons	11072..11311, 11073..11342, 11357..11476, 11358..11468, 11462..11710, 11478..11549, 11564..11704		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o6.tm	Method	TBLASTX:Maize
Start	11438	End	11644
GI	none	Score	83
Exons	11438..11644, 11439..11558		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-

Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o2.tc	Method	TBLASTX:Cress
Start	11507	End	12073
GI	none	Score	119
Exons	11507..11602, 11597..11899, 11658..11843, 11933..12073, 11943..12041		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o2.np	Method	AAT/NAP
Start	12262	End	22485
GI	5764630	Score	485
Exons	12262..12339, 15928..16108, 16820..16880, 18550..18932, 19584..19872, 22427..22485		
GI Descrip.	(AF173816) bell-like homeodomain 2 [Arabidopsis thaliana]		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o5.gs	Method	GENSCAN
Start	15449	End	22179
GI	none	Score	.5
Exons	15449..15961, 16820..16880, 18550..18932, 19584..20200, 21003..21098, 22051..22179		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o3.tc	Method	TBLASTX:Cress
Start	16073	End	18935
GI	none	Score	85
Exons	16073..16111, 16776..16880, 16814..16879, 18547..18717, 18549..18716, 18741..18935, 18748..18927		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o4.ts	Method	TBLASTX:Soybean
Start	16836	End	18911
GI	none	Score	63
Exons	16836..16880, 16841..16879, 18537..18689, 18547..18738, 18549..18737, 18741..18911, 18742..18900		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o4.tm	Method	TBLASTX:Maize
Start	16838	End	18930
GI	none	Score	155
Exons	16838..16879, 18547..18642, 18549..18674, 18639..18929, 18640..18930		

Seq. No.	11121	Seq. ID	OJ990430_20.9A20.C7
Gene No.	23663	Strand	-
Start	3676	End	22485
Name	OJ990430_20.9A20.C7.o6.gp	Method	AAT/GAP

Start	17850	End	17912
GI	LIB3477-003-P1-K1-E9	Score	82
Exons	17850..17912		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23664	Strand	+
Start	1	End	5660
Name	OJ990430_20.9A20.C8.o1.np	Method	AAT/NAP
Start	1	End	5624
GI	5922631	Score	6485
Exons	1..181, 431..640, 682..1246, 1289..1440, 1567..2490, 3097..5624		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23664	Strand	+
Start	1	End	5660
Name	OJ990430_20.9A20.C8.o1.gs	Method	GENSCAN
Start	44	End	5660
GI	none	Score	.47
Exons	44..561, 606..2482, 2579..5660		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23665	Strand	+
Start	10673	End	11176
Name	OJ990430_20.9A20.C8.o3.gs	Method	GENSCAN
Start	10673	End	11166
GI	none	Score	.99
Exons	10673..11166		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23665	Strand	+
Start	10673	End	11176
Name	OJ990430_20.9A20.C8.o3.np	Method	AAT/NAP
Start	10673	End	11176
GI	5902444	Score	784
Exons	10673..11176		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23666	Strand	-
Start	5976	End	9205
Name	OJ990430_20.9A20.C8.o2.gs	Method	GENSCAN
Start	5976	End	9205
GI	none	Score	.7
Exons	5976..6424, 6497..6601, 6674..6863, 6939..7126, 7201..7559, 7641..7798, 8017..8940, 8976..9052, 9187..9205		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8

Gene No.	23666	Strand	-
Start	5976	End	9205
Name	OJ990430_20.9A20.C8.o2.np	Method	AAT/NAP
Start	5979	End	8901
GI	6691716	Score	2331
Exons	5979..6424, 6497..6613, 6764..6863, 6939..7127, 7273..7559, 7641..7819, 8017..8901		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o7.tw	Method	TBLASTX:Wheat
Start	851	End	1253
GI	none	Score	293
Exons	851..1120, 852..1253		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o6.tw	Method	TBLASTX:Wheat
Start	1830	End	2299
GI	none	Score	149
Exons	1830..2006, 1893..2006, 2051..2287, 2055..2285, 2066..2299		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o7.tm	Method	TBLASTX:Maize
Start	2138	End	2316
GI	none	Score	183
Exons	2138..2284, 2139..2285, 2155..2316		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o1.tw	Method	TBLASTX:Wheat
Start	2507	End	2963
GI	none	Score	497
Exons	2507..2962, 2508..2963		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o3.ts	Method	TBLASTX:Soybean
Start	2547	End	2912
GI	none	Score	138
Exons	2547..2771, 2778..2912		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o2.tm	Method	TBLASTX:Maize
Start	2637	End	2993
GI	none	Score	375

Exons	2637..2993, 2678..2983		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o2.tw	Method	TBLASTX:Wheat
Start	3078	End	3502
GI	none	Score	445
Exons	3078..3497, 3122..3502, 3143..3502		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o1.ts	Method	TBLASTX:Soybean
Start	3126	End	3557
GI	none	Score	315
Exons	3126..3557, 3173..3316, 3353..3523		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o3.tm	Method	TBLASTX:Maize
Start	3224	End	3668
GI	none	Score	274
Exons	3224..3478, 3225..3479, 3260..3496, 3500..3631, 3501..3644, 3642..3668		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o8.tw	Method	TBLASTX:Wheat
Start	3506	End	3792
GI	none	Score	270
Exons	3506..3583, 3507..3788, 3516..3791, 3694..3792		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o2.ts	Method	TBLASTX:Soybean
Start	3783	End	4171
GI	none	Score	86
Exons	3783..3887, 3791..4171, 3927..4169		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o4.tw	Method	TBLASTX:Wheat
Start	3792	End	4214
GI	none	Score	415
Exons	3792..4214, 3800..4204		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o5.tm	Method	TBLASTX:Maize
Start	3845	End	4118
GI	none	Score	121

Exons	3845..4015, 3855..4016, 4020..4118, 4052..4117		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o10.tw	Method	TBLASTX:Wheat
Start	4230	End	4529
GI	none	Score	134
Exons	4230..4364, 4389..4529		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o1.tm	Method	TBLASTX:Maize
Start	4526	End	4889
GI	none	Score	445
Exons	4526..4837, 4527..4850, 4841..4888, 4842..4889		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o3.tw	Method	TBLASTX:Wheat
Start	4532	End	4919
GI	none	Score	419
Exons	4532..4843, 4533..4919, 4728..4919		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o6.tm	Method	TBLASTX:Maize
Start	4991	End	5264
GI	none	Score	91
Exons	4991..5098, 4992..5090, 5081..5155, 5085..5168, 5178..5264		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o5.tw	Method	TBLASTX:Wheat
Start	5034	End	5648
GI	none	Score	272
Exons	5034..5312, 5054..5143, 5195..5296, 5367..5525, 5511..5648		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o4.tm	Method	TBLASTX:Maize
Start	5376	End	5609
GI	none	Score	152
Exons	5376..5528, 5507..5608, 5508..5609		
Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o9.tw	Method	TBLASTX:Wheat
Start	8491	End	8781
GI	none	Score	209
Exons	8491..8781		

Seq. No.	11122	Seq. ID	OJ990430_20.9A20.C8
Gene No.	23667	Strand	-
Start	10237	End	10545
Name	OJ990430_20.9A20.C8.o1.gp	Method	AAT/GAP
Start	10237	End	10545
GI	5816559	Score	525
Exons	10237..10545		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	11123	Seq. ID	OJ990430_20.9A20.C9
Gene No.	23668	Strand	+
Start	8616	End	11528
Name	OJ990430_20.9A20.C9.o2.np	Method	AAT/NAP
Start	8616	End	11516
GI	6691716	Score	2475
Exons	8616..9491, 9679..9867, 9944..10004, 10072..10299, 10377..10564, 10638..10740, 10890..11003, 11077..11516		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	11123	Seq. ID	OJ990430_20.9A20.C9
Gene No.	23668	Strand	+
Start	8616	End	11528
Name	OJ990430_20.9A20.C9.o3.gs	Method	GENSCAN
Start	8616	End	11528
GI	none	Score	.9
Exons	8616..9500, 9646..9807, 9851..9867, 9944..10299, 10377..10516, 10638..10827, 11077..11528		

Seq. No.	11123	Seq. ID	OJ990430_20.9A20.C9
Gene No.	23669	Strand	-
Start	4642	End	9673
Name	OJ990430_20.9A20.C9.o2.gs	Method	GENSCAN
Start	4642	End	8265
GI	none	Score	.55
Exons	4642..4782, 6332..6528, 6604..7661, 7666..8051, 8092..8265		

Seq. No.	11123	Seq. ID	OJ990430_20.9A20.C9
Gene No.	23669	Strand	-
Start	4642	End	9673
Name	OJ990430_20.9A20.C9.o1.np	Method	AAT/NAP
Start	6317	End	9673
GI	5902444	Score	2604
Exons	6317..8240, 9645..9673		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11123	Seq. ID	OJ990430_20.9A20.C9
Gene No.	23670	Strand	-
Start	11861	End	12049
Name	OJ990430_20.9A20.C9.o1.tw	Method	TBLASTX:Wheat
Start	6965	End	7367
GI	none	Score	119
Exons	6965..7366, 7068..7367		

Seq. No.	11123	Seq. ID	OJ990430_20.9A20.C9
Gene No.	23670	Strand	-
Start	11861	End	12049
Name	OJ990430_20.9A20.C9.o2.tw	Method	TBLASTX:Wheat
Start	8709	End	9026
GI	none	Score	221
Exons	8709..9026, 8876..9025		

Seq. No.	11123	Seq. ID	OJ990430_20.9A20.C9
Gene No.	23670	Strand	-
Start	11861	End	12049
Name	OJ990430_20.9A20.C9.o3.np	Method	AAT/NAP
Start	11861	End	12049
GI	4680180	Score	315
Exons	11861..12049		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11124	Seq. ID	OJ990520_28.9A03.C1
Gene No.	23671	Strand	+
Start	491	End	752
Name	OJ990520_28.9A03.C1.o1.np	Method	AAT/NAP
Start	491	End	752
GI	2498930	Score	101
Exons	491..550, 718..752		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23672	Strand	+
Start	1	End	15121
Name	OJ990520_28.9A03.C3.o1.np	Method	AAT/NAP
Start	1	End	2367
GI	5852084	Score	72
Exons	1..20, 2264..2367		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23672	Strand	+
Start	1	End	15121
Name	OJ990520_28.9A03.C3.o1.gs	Method	GENSCAN
Start	54	End	15121
GI	none	Score	.5
Exons	54..173, 175..438, 2044..2153, 5907..5945, 7466..7612, 7811..7842, 9639..9771, 11937..12043, 14428..14539, 14675..14789, 14867..15121		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23672	Strand	+
Start	1	End	15121
Name	OJ990520_28.9A03.C3.o2.np	Method	AAT/NAP
Start	5910	End	9232
GI	6721512	Score	86
Exons	5910..5960, 7484..7616, 7644..7745, 9200..9232		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3

Gene No.	23673	Strand	+
Start	20378	End	23375
Name	OJ990520_28.9A03.C3.o3.gs	Method	GENSCAN
Start	20378	End	23375
GI	none	Score	.55
Exons	20378..20623, 21951..22151, 22216..22314, 23244..23375		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23674	Strand	-
Start	14098	End	16420
Name	OJ990520_28.9A03.C3.o3.np	Method	AAT/NAP
Start	14098	End	16420
GI	6721512	Score	70
Exons	14098..14261, 16400..16420		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23675	Strand	-
Start	16463	End	19377
Name	OJ990520_28.9A03.C3.o4.np	Method	AAT/NAP
Start	16023	End	18318
GI	2130141	Score	1706
Exons	16023..16085, 16164..17744, 17826..18136, 18173..18318		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23675	Strand	-
Start	16463	End	19377
Name	OJ990520_28.9A03.C3.o2.gs	Method	GENSCAN
Start	16463	End	19377
GI	none	Score	.61
Exons	16463..16921, 16967..17232, 17558..17744, 17829..18513, 19095..19221, 19302..19377		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23676	Strand	-
Start	22933	End	24612
Name	OJ990520_28.9A03.C3.o5.np	Method	AAT/NAP
Start	22933	End	24612
GI	6539588	Score	210
Exons	22933..22955, 24311..24612		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23677	Strand	-
Start	27665	End	29344
Name	OJ990520_28.9A03.C3.o3.tm	Method	TBLASTX:Maize
Start	15969	End	16463
GI	none	Score	47
Exons	15969..16031, 15971..16087, 16049..16078, 16172..16255, 16178..16300, 16241..16462, 16308..16463		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23677	Strand	-
Start	27665	End	29344
Name	OJ990520_28.9A03.C3.o1.tm	Method	TBLASTX:Maize

Start	16535	End	17296
GI	none	Score	51
Exons	16535..16576, 16535..16585, 16536..16589, 16601..16921, 16604..16921, 16659..16931, 16964..17026, 16992..17024, 17024..17296, 17034..17288		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23677	Strand	-
Start	27665	End	29344
Name	OJ990520_28.9A03.C3.o2.tm	Method	TBLASTX:Maize
Start	17355	End	17747
GI	none	Score	114
Exons	17355..17747, 17356..17565, 17361..17672		

Seq. No.	11125	Seq. ID	OJ990520_28.9A03.C3
Gene No.	23677	Strand	-
Start	27665	End	29344
Name	OJ990520_28.9A03.C3.o7.np	Method	AAT/NAP
Start	27665	End	29344
GI	6539588	Score	209
Exons	27665..27762, 29043..29344		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	11126	Seq. ID	OJ990520_28.9A03.C4
Gene No.	23678	Strand	+
Start	3315	End	3821
Name	OJ990520_28.9A03.C4.o3.gs	Method	GENSCAN
Start	3315	End	3821
GI	none	Score	.79
Exons	3315..3821		

Seq. No.	11126	Seq. ID	OJ990520_28.9A03.C4
Gene No.	23679	Strand	-
Start	1	End	3612
Name	OJ990520_28.9A03.C4.o1.np	Method	AAT/NAP
Start	1	End	3612
GI	6016691	Score	55
Exons	1..29, 3285..3318, 3371..3612		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	11126	Seq. ID	OJ990520_28.9A03.C4
Gene No.	23679	Strand	-
Start	1	End	3612
Name	OJ990520_28.9A03.C4.o1.gs	Method	GENSCAN
Start	60	End	425
GI	none	Score	.81
Exons	60..179, 258..425		

Seq. No.	11126	Seq. ID	OJ990520_28.9A03.C4
Gene No.	23679	Strand	-
Start	1	End	3612
Name	OJ990520_28.9A03.C4.o2.gs	Method	GENSCAN
Start	1788	End	2221
GI	none	Score	.85
Exons	1788..1940, 2039..2221		

Seq. No.	11126	Seq. ID	OJ990520_28.9A03.C4

Gene No.	23680	Strand	-
Start	4395	End	6977
Name	OJ990520_28.9A03.C4.o1.tm	Method	TBLASTX:Maize
Start	3437	End	3554
GI	none	Score	185
Exons	3437..3553, 3438..3554		

Seq. No.	11126	Seq. ID	OJ990520_28.9A03.C4
Gene No.	23680	Strand	-
Start	4395	End	6977
Name	OJ990520_28.9A03.C4.o4.gs	Method	GENSCAN
Start	4395	End	6977
GI	none	Score	.44
Exons	4395..4522, 4752..4921, 5849..5885, 6863..6977		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23681	Strand	+
Start	1562	End	1733
Name	OJ990520_28.9A03.C5.o1.gs	Method	GENSCAN
Start	1562	End	1733
GI	none	Score	.47
Exons	1562..1733		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23682	Strand	+
Start	9776	End	10933
Name	OJ990520_28.9A03.C5.o3.gs	Method	GENSCAN
Start	9776	End	10933
GI	none	Score	1
Exons	9776..10933		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23682	Strand	+
Start	9776	End	10933
Name	OJ990520_28.9A03.C5.o1.gp	Method	AAT/GAP
Start	10341	End	10547
GI	4880008	Score	405
Exons	10341..10547		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23683	Strand	+
Start	11291	End	11728
Name	OJ990520_28.9A03.C5.o2.gp	Method	AAT/GAP
Start	11291	End	11728
GI	3768826	Score	814
Exons	11291..11728		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23684	Strand	+
Start	17004	End	17082
Name	OJ990520_28.9A03.C5.o2.np	Method	AAT/NAP
Start	17004	End	17082
GI	6630699	Score	74
Exons	17004..17082		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23685	Strand	-
Start	4510	End	8860
Name	OJ990520_28.9A03.C5.o2.gs	Method	GENSCAN
Start	4510	End	8860
GI	none	Score	.53
Exons	4510..4676, 4885..5091, 5228..5283, 5833..5992, 6264..6341, 7078..7193, 8712..8860		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23686	Strand	-
Start	13320	End	24294
Name	OJ990520_28.9A03.C5.o4.gs	Method	GENSCAN
Start	13320	End	17461
GI	none	Score	.51
Exons	13320..13495, 14342..14550, 15058..15184, 16961..17076, 17334..17461		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23686	Strand	-
Start	13320	End	24294
Name	OJ990520_28.9A03.C5.o3.np	Method	AAT/NAP
Start	17222	End	18944
GI	5922619	Score	84
Exons	17222..17321, 18909..18944		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23686	Strand	-
Start	13320	End	24294
Name	OJ990520_28.9A03.C5.o5.gs	Method	GENSCAN
Start	17960	End	24294
GI	none	Score	.64
Exons	17960..18104, 18561..18881, 19441..19570, 19575..19989, 20345..20383, 20534..20722, 20990..21297, 21778..21958, 22203..22333, 23946..24294		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23686	Strand	-
Start	13320	End	24294
Name	OJ990520_28.9A03.C5.o3.gp	Method	AAT/GAP
Start	19239	End	19710
GI	91759_1.R1084	Score	836
Exons	19239..19710		
GI Descrip.	'4585924/gb|AAD25584.1|AC007211_6 2.0e-18 (AC007211) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23686	Strand	-
Start	13320	End	24294
Name	OJ990520_28.9A03.C5.o4.np	Method	AAT/NAP
Start	20660	End	22851
GI	2459436	Score	207
Exons	20660..20722, 20990..21277, 21773..21892, 22764..22851		

GI Descrip. (AC002332) unknown protein [Arabidopsis thaliana]

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23686	Strand	-
Start	13320	End	24294
Name	OJ990520_28.9A03.C5.o4.gp	Method	AAT/GAP
Start	21120	End	22316
GI	4715698	Score	870
Exons	21120..21279, 21778..21958, 22203..22316		
GI Descrip.	4585924/gb|AAD25584.1|AC007211_6 2.0e-18 (AC007211) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23687	Strand	-
Start	26394	End	28917
Name	OJ990520_28.9A03.C5.o2.tm	Method	TBLASTX:Maize
Start	19675	End	19835
GI	none	Score	204
Exons	19675..19833, 19688..19834, 19700..19834, 19701..19835, 19701..19835		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23687	Strand	-
Start	26394	End	28917
Name	OJ990520_28.9A03.C5.o1.tw	Method	TBLASTX:Wheat
Start	19684	End	19990
GI	none	Score	154
Exons	19684..19875, 19684..19989, 19700..19990		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23687	Strand	-
Start	26394	End	28917
Name	OJ990520_28.9A03.C5.o1.ts	Method	TBLASTX:Soybean
Start	19705	End	19989
GI	none	Score	166
Exons	19705..19890, 19706..19891, 19930..19989		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23687	Strand	-
Start	26394	End	28917
Name	OJ990520_28.9A03.C5.o2.ts	Method	TBLASTX:Soybean
Start	20960	End	21274
GI	none	Score	95
Exons	20960..21052, 21062..21274, 21065..21274		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23687	Strand	-
Start	26394	End	28917
Name	OJ990520_28.9A03.C5.o1.tm	Method	TBLASTX:Maize
Start	21155	End	21961
GI	none	Score	155
Exons	21155..21271, 21155..21274, 21746..21961, 21786..21959		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23687	Strand	-
Start	26394	End	28917
Name	OJ990520_28.9A03.C5.o6.gs	Method	GENSCAN

Start	26394	End	28917
GI	none	Score	.59
Exons	26394..27058, 28367..28447, 28515..28652, 28851..28917		

Seq. No.	11127	Seq. ID	OJ990520_28.9A03.C5
Gene No.	23687	Strand	-
Start	26394	End	28917
Name	OJ990520_28.9A03.C5.o5.np	Method	AAT/NAP
Start	27069	End	28904
GI	6721512	Score	119
Exons	27069..27122, 28518..28587, 28630..28764, 28792..28904		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11128	Seq. ID	OJ990520_28.9A03.C6
Gene No.	23688	Strand	+
Start	1	End	373
Name	OJ990520_28.9A03.C6.o1.np	Method	AAT/NAP
Start	1	End	373
GI	6755654	Score	624
Exons	1..373		
GI Descrip.	sprouty homolog 4 (Drosophila) gi|5917720|gb|AAD56007.1|AF176906_1 (AF176906) sprouty 4 [Mus musculus]		

Seq. No.	11128	Seq. ID	OJ990520_28.9A03.C6
Gene No.	23688	Strand	+
Start	1	End	373
Name	OJ990520_28.9A03.C6.o1.gs	Method	GENSCAN
Start	133	End	284
GI	none	Score	.54
Exons	133..284		

Seq. No.	11129	Seq. ID	OJ990430_22.9A01.C1
Gene No.	23689	Strand	-
Start	1401	End	1654
Name	OJ990430_22.9A01.C1.o1.gs	Method	GENSCAN
Start	1401	End	1654
GI	none	Score	.56
Exons	1401..1508, 1552..1654		

Seq. No.	11130	Seq. ID	OJ990430_22.9A01.C2
Gene No.	23690	Strand	-
Start	7201	End	8103
Name	OJ990430_22.9A01.C2.o1.gp	Method	AAT/GAP
Start	6973	End	7996
GI	88748_1.R1084	Score	826
Exons	6973..7336, 7917..7996		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		

Seq. No.	11130	Seq. ID	OJ990430_22.9A01.C2
Gene No.	23690	Strand	-
Start	7201	End	8103
Name	OJ990430_22.9A01.C2.o1.np	Method	AAT/NAP
Start	7131	End	8103
GI	3176667	Score	334

Exons	7131..7336, 7917..8103		
GI Descrip.	(AC004393) Similar to hypothetical 41.9KD protein gb|1001369 from sequence of Synechocystis sp. gb|D64006. [Arabidopsis thaliana]		

Seq. No.	11130	Seq. ID	OJ990430_22.9A01.C2
Gene No.	23690	Strand	-
Start	7201	End	8103
Name	OJ990430_22.9A01.C2.o2.gs	Method	GENSCAN
Start	7201	End	8101
GI	none	Score	.92
Exons	7201..7336, 7917..8101		

Seq. No.	11130	Seq. ID	OJ990430_22.9A01.C2
Gene No.	23690	Strand	-
Start	7201	End	8103
Name	OJ990430_22.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	7291	End	8100
GI	none	Score	87
Exons	7291..7338, 7292..7339, 7292..7339, 7293..7349, 7908..8099, 7913..8098, 7915..8100		

Seq. No.	11131	Seq. ID	OJ990430_22.9A01.C3
Gene No.	23691	Strand	-
Start	1	End	3673
Name	OJ990430_22.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	3673
GI	3176667	Score	594
Exons	1..150, 1623..1835, 3191..3673		
GI Descrip.	(AC004393) Similar to hypothetical 41.9KD protein gb|1001369 from sequence of Synechocystis sp. gb|D64006. [Arabidopsis thaliana]		

Seq. No.	11131	Seq. ID	OJ990430_22.9A01.C3
Gene No.	23691	Strand	-
Start	1	End	3673
Name	OJ990430_22.9A01.C3.o2.tm	Method	TBLASTX:Maize
Start	1	End	1850
GI	none	Score	138
Exons	1..87, 1..99, 1614..1850, 1615..1839		

Seq. No.	11131	Seq. ID	OJ990430_22.9A01.C3
Gene No.	23691	Strand	-
Start	1	End	3673
Name	OJ990430_22.9A01.C3.o1.gs	Method	GENSCAN
Start	35	End	3550
GI	none	Score	.48
Exons	35..86, 1614..1835, 3191..3550		

Seq. No.	11131	Seq. ID	OJ990430_22.9A01.C3
Gene No.	23691	Strand	-
Start	1	End	3673
Name	OJ990430_22.9A01.C3.o1.gp	Method	AAT/GAP
Start	2753	End	3391
GI	5455363	Score	1254
Exons	2753..3391		
GI Descrip.	3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD		

protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]

Seq. No.	11131	Seq. ID	OJ990430_22.9A01.C3
Gene No.	23691	Strand	-
Start	1	End	3673
Name	OJ990430_22.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	3191	End	3589
GI	none	Score	82
Exons	3191..3268, 3191..3493, 3234..3494, 3545..3589		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23692	Strand	+
Start	233	End	3453
Name	OJ990430_22.9A01.C4.o1.gs	Method	GENSCAN
Start	233	End	3453
GI	none	Score	.54
Exons	233..283, 688..870, 1005..1343, 2122..2235, 2605..2703, 3216..3242, 3424..3453		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23693	Strand	+
Start	15068	End	18973
Name	OJ990430_22.9A01.C4.o2.np	Method	AAT/NAP
Start	15068	End	18973
GI	6539553	Score	6758
Exons	15068..18973		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23694	Strand	-
Start	6207	End	11837
Name	OJ990430_22.9A01.C4.o2.gs	Method	GENSCAN
Start	6207	End	11837
GI	none	Score	.62
Exons	6207..6621, 8963..9060, 9535..9583, 10677..10721, 11458..11837		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23694	Strand	-
Start	6207	End	11837
Name	OJ990430_22.9A01.C4.o1.gp	Method	AAT/GAP
Start	7794	End	8998
GI	none	Score	952
Exons	7794..8118, 8257..8395, 8963..8998		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23694	Strand	-
Start	6207	End	11837
Name	OJ990430_22.9A01.C4.o2.gp	Method	AAT/GAP
Start	10069	End	11748
GI	none	Score	841
Exons	10069..10204, 10677..10721, 11463..11748		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4

Gene No.	23695	Strand	-
Start	12146	End	13492
Name	OJ990430_22.9A01.C4.o3.gs	Method	GENSCAN
Start	12146	End	13492
GI	none	Score	.43
Exons	12146..12153, 12236..12884, 13301..13492		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	658	End	1592
GI	none	Score	321
Exons	658..1005, 681..941, 996..1592, 1013..1279, 1331..1573		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o5.tw	Method	TBLASTX:Wheat
Start	708	End	993
GI	none	Score	316
Exons	708..950, 709..987, 727..993		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o9.tw	Method	TBLASTX:Wheat
Start	995	End	1367
GI	none	Score	130
Exons	995..1141, 996..1142, 1142..1294, 1143..1295, 1287..1367		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o4.ts	Method	TBLASTX:Soybean
Start	1221	End	1751
GI	none	Score	51
Exons	1221..1280, 1350..1577, 1418..1576, 1566..1751		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o8.tw	Method	TBLASTX:Wheat
Start	1373	End	1926
GI	none	Score	234
Exons	1373..1723, 1482..1736, 1828..1926		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o8.tm	Method	TBLASTX:Maize
Start	1596	End	1781
GI	none	Score	197
Exons	1596..1781		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-

Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o4.tm	Method	TBLASTX:Maize
Start	1795	End	2295
GI	none	Score	300
Exons	1795..2193, 1831..2025, 2203..2295		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o6.tw	Method	TBLASTX:Wheat
Start	2026	End	2385
GI	none	Score	298
Exons	2026..2385		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o9.tm	Method	TBLASTX:Maize
Start	2467	End	2724
GI	none	Score	189
Exons	2467..2724, 2502..2609		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o4.tw	Method	TBLASTX:Wheat
Start	15062	End	15448
GI	none	Score	354
Exons	15062..15448, 15073..15447		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	15197	End	15510
GI	none	Score	366
Exons	15197..15508, 15205..15510		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	16009	End	16331
GI	none	Score	268
Exons	16009..16263, 16016..16330, 16036..16329, 16164..16331		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o6.ts	Method	TBLASTX:Soybean
Start	16358	End	16744
GI	none	Score	77
Exons	16358..16513, 16496..16744		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470

Name	OJ990430_22.9A01.C4.o7.tm	Method	TBLASTX:Maize
Start	16532	End	16966
GI	none	Score	303
Exons	16532..16966, 16741..16941		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o7.tw	Method	TBLASTX:Wheat
Start	16610	End	16801
GI	none	Score	275
Exons	16610..16801, 16610..16801		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o3.ts	Method	TBLASTX:Soybean
Start	16754	End	17152
GI	none	Score	197
Exons	16754..16978, 16762..16932, 16979..17152, 16987..17025		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	16802	End	17557
GI	none	Score	634
Exons	16802..17266, 16810..17289, 17310..17540, 17318..17557, 17340..17537, 17398..17556		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	17477	End	17941
GI	5509260	Score	383
Exons	17477..17941, 17578..17646, 17695..17790, 17863..17922		
GI Descrip.	-		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o2.tc	Method	TBLASTX:Cress
Start	17570	End	17830
GI	none	Score	286
Exons	17570..17830, 17572..17649		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o5.tm	Method	TBLASTX:Maize
Start	17611	End	18076
GI	none	Score	361
Exons	17611..17793, 17612..18076, 17747..17929, 17863..17973		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-

Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o3.tw	Method	TBLASTX:Wheat
Start	17612	End	18157
GI	none	Score	319
Exons	17612..17956, 17759..17932, 17951..18157, 18025..18147		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	18010	End	18355
GI	none	Score	314
Exons	18010..18210, 18011..18355		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o6.tm	Method	TBLASTX:Maize
Start	18166	End	18505
GI	none	Score	318
Exons	18166..18504, 18167..18505		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o2.tw	Method	TBLASTX:Wheat
Start	18361	End	18837
GI	none	Score	101
Exons	18361..18432, 18362..18436, 18363..18434, 18451..18837, 18452..18799		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o5.ts	Method	TBLASTX:Soybean
Start	18368	End	18709
GI	none	Score	91
Exons	18368..18481, 18394..18474, 18500..18709, 18505..18630		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o5.gs	Method	GENSCAN
Start	21754	End	29369
GI	none	Score	.65
Exons	21754..21906, 22635..22692, 25670..25783, 26210..26496, 28971..29146, 29301..29369		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o3.np	Method	AAT/NAP
Start	21757	End	23195
GI	4836878	Score	554
Exons	21757..21906, 22635..22922, 22997..23080, 23166..23195		
GI Descrip.	(AC007260) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	21788	End	23222
GI	none	Score	158
Exons	21788..21910, 21793..21915, 21793..21912, 22596..22724, 22635..22886, 22636..22926, 22636..22923, 22991..23077, 22992..23075, 23160..23222, 23161..23220		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o3.gp	Method	AAT/GAP
Start	26205	End	26510
GI	2427966	Score	540
Exons	26205..26510		

Seq. No.	11132	Seq. ID	OJ990430_22.9A01.C4
Gene No.	23696	Strand	-
Start	21754	End	29470
Name	OJ990430_22.9A01.C4.o4.np	Method	AAT/NAP
Start	27759	End	29470
GI	5902448	Score	494
Exons	27759..28312, 29379..29470		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	11133	Seq. ID	OJ990430_22.9A01.C5
Gene No.	23697	Strand	+
Start	40	End	1087
Name	OJ990430_22.9A01.C5.o1.gs	Method	GENSCAN
Start	40	End	1087
GI	none	Score	.76
Exons	40..121, 733..804, 978..1087		

Seq. No.	11134	Seq. ID	OJ990430_22.9A01.C6
Gene No.	23698	Strand	+
Start	272	End	734
Name	OJ990430_22.9A01.C6.o1.np	Method	AAT/NAP
Start	272	End	673
GI	3549667	Score	272
Exons	272..673		
GI Descrip.	(AL031394) Arabidopsis dynamin-like protein ADL2 [Arabidopsis thaliana]		

Seq. No.	11134	Seq. ID	OJ990430_22.9A01.C6
Gene No.	23698	Strand	+
Start	272	End	734
Name	OJ990430_22.9A01.C6.o1.tc	Method	TBLASTX:Cress
Start	284	End	673
GI	none	Score	34
Exons	284..313, 368..448, 370..417, 446..586, 454..579, 598..669, 599..673		

Seq. No.	11134	Seq. ID	OJ990430_22.9A01.C6
Gene No.	23698	Strand	+

Start	272	End	734
Name	OJ990430_22.9A01.C6.o1.gs	Method	GENSCAN
Start	320	End	734
GI	none	Score	.93
Exons	320..673, 711..734		

Seq. No.	11134	Seq. ID	OJ990430_22.9A01.C6
Gene No.	23698	Strand	+
Start	272	End	734
Name	OJ990430_22.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	368	End	669
GI	none	Score	62
Exons	368..424, 446..586, 454..582,	568..669,	569..667

Seq. No.	11134	Seq. ID	OJ990430_22.9A01.C6
Gene No.	23698	Strand	+
Start	272	End	734
Name	OJ990430_22.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	452	End	670
GI	none	Score	224
Exons	452..670, 454..669		

Seq. No.	11135	Seq. ID	OJ990430_22.9A01.C7
Gene No.	23699	Strand	-
Start	1	End	439
Name	OJ990430_22.9A01.C7.o1.np	Method	AAT/NAP
Start	1	End	439
GI	1085922	Score	146
Exons	1..303, 330..439		
GI Descrip.	hypothetical protein 224 - evening primrose mitochondrion gi|459533|emb|CAA54968| (X78038) orf224; homology to ribosomal protein S1 of E. coli [Oenothera berteriana]		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23700	Strand	+
Start	1	End	6162
Name	OJ990430_22.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	793
GI	6091729	Score	977
Exons	1..793		
GI Descrip.	(AC010797) unknown protein [Arabidopsis thaliana] gi|6513942|gb|AAF14846.1|AC011664_28 (AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23700	Strand	+
Start	1	End	6162
Name	OJ990430_22.9A01.C8.o1.gp	Method	AAT/GAP
Start	9	End	466
GI	74741_1.R1084	Score	877
Exons	9..466		
GI Descrip.	'6091729/gb|AAF03441.1|AC010797_17 8.0e-47 (AC010797) unknown protein [Arabidopsis thaliana]'		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23700	Strand	+
Start	1	End	6162

Name	OJ990430_22.9A01.C8.o1.gs	Method	GENSCAN
Start	50	End	6162
GI	none	Score	.65
Exons	50..792, 4077..6162		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23700	Strand	+
Start	1	End	6162
Name	OJ990430_22.9A01.C8.o2.gp	Method	AAT/GAP
Start	318	End	568
GI	3106610	Score	369
Exons	318..568		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23700	Strand	+
Start	1	End	6162
Name	OJ990430_22.9A01.C8.o2.np	Method	AAT/NAP
Start	4168	End	6153
GI	100226	Score	856
Exons	4168..4308, 4357..6153		
GI Descrip.	hypothetical protein - tomato gi|19275|emb|CAA78112| (Z12127) protein of unknown function [Lycopersicon esculentum] gi|445619|prf||1909366A Leu zipper protein [Lycopersicon esculentum]		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	19	End	519
GI	none	Score	127
Exons	19..132, 23..136, 110..379, 133..387, 370..477, 374..475, 463..519, 473..517		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o2.tm	Method	TBLASTX:Maize
Start	52	End	1053
GI	none	Score	1164
Exons	52..819, 53..820, 895..939, 897..941, 912..944, 950..988, 951..1013, 1011..1043, 1018..1053		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o1.tc	Method	TBLASTX:Cress
Start	100	End	938
GI	none	Score	332
Exons	100..345, 101..343, 310..660, 359..661, 562..789, 650..820, 897..938		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o4.ts	Method	TBLASTX:Soybean
Start	520	End	730

GI	none	Score	287
Exons	520..726, 521..730, 521..730		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o4.tm	Method	TBLASTX:Maize
Start	4185	End	4464
GI	none	Score	180
Exons	4185..4307, 4186..4308, 4378..4464		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o3.tc	Method	TBLASTX:Cress
Start	4822	End	5259
GI	none	Score	163
Exons	4822..5088, 5086..5259		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o5.ts	Method	TBLASTX:Soybean
Start	4843	End	5094
GI	none	Score	247
Exons	4843..5070, 4846..5094		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	4877	End	5832
GI	none	Score	1429
Exons	4877..5482, 4888..5832, 5386..5826, 5543..5830		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o2.ts	Method	TBLASTX:Soybean
Start	5107	End	5673
GI	none	Score	189
Exons	5107..5256, 5107..5271, 5126..5317, 5268..5429, 5281..5478, 5383..5478, 5548..5673		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o2.tc	Method	TBLASTX:Cress
Start	5383	End	5997
GI	none	Score	95
Exons	5383..5478, 5548..5706, 5707..5826, 5878..5997, 5883..5993		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	5575	End	5981

GI	none	Score	217
Exons	5575..5826, 5603..5827, 5605..5826, 5878..5979, 5878..5976, 5883..5981		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o3.ts	Method	TBLASTX:Soybean
Start	5680	End	6162
GI	none	Score	157
Exons	5680..5832, 5682..5825, 5878..6162, 5883..6080		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o3.tm	Method	TBLASTX:Maize
Start	5878	End	6126
GI	none	Score	248
Exons	5878..6126, 5883..6086		

Seq. No.	11136	Seq. ID	OJ990430_22.9A01.C8
Gene No.	23701	Strand	-
Start	6151	End	6545
Name	OJ990430_22.9A01.C8.o3.gp	Method	AAT/GAP
Start	6151	End	6545
GI	none	Score	790
Exons	6151..6545		

Seq. No.	11137	Seq. ID	OJ990430_22.9A01.C10
Gene No.	23702	Strand	+
Start	3268	End	6197
Name	OJ990430_22.9A01.C10.o2.gs	Method	GENSCAN
Start	3268	End	6197
GI	none	Score	.7
Exons	3268..3279, 3388..3457, 3596..3722, 4052..4109, 4317..4487, 5179..5281, 6025..6197		

Seq. No.	11137	Seq. ID	OJ990430_22.9A01.C10
Gene No.	23702	Strand	+
Start	3268	End	6197
Name	OJ990430_22.9A01.C10.o3.np	Method	AAT/NAP
Start	3748	End	4370
GI	5042454	Score	177
Exons	3748..3918, 4310..4370		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11137	Seq. ID	OJ990430_22.9A01.C10
Gene No.	23703	Strand	+
Start	6399	End	6807
Name	OJ990430_22.9A01.C10.o1.gp	Method	AAT/GAP
Start	6399	End	6807
GI	428102	Score	516
Exons	6399..6496, 6561..6807		
GI Descrip.	20254/emb|X13679|OSHIS3PS 5.0e-16 Oryza sativa H3 histone pseudogene H3R-12		

Seq. No.	11137	Seq. ID	OJ990430_22.9A01.C10

Gene No.	23704	Strand	-
Start	1	End	3392
Name	OJ990430_22.9A01.C10.o1.np	Method	AAT/NAP
Start	1	End	3392
GI	2618693	Score	795
Exons	1..2191, 3367..3392		
GI Descrip.	(AC002510) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	11137	Seq. ID	OJ990430_22.9A01.C10
Gene No.	23704	Strand	-
Start	1	End	3392
Name	OJ990430_22.9A01.C10.o2.tw	Method	TBLASTX:Wheat
Start	435	End	842
GI	none	Score	54
Exons	435..698, 439..540, 741..842		

Seq. No.	11137	Seq. ID	OJ990430_22.9A01.C10
Gene No.	23704	Strand	-
Start	1	End	3392
Name	OJ990430_22.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	1197	End	1487
GI	none	Score	88
Exons	1197..1487, 1273..1470		

Seq. No.	11137	Seq. ID	OJ990430_22.9A01.C10
Gene No.	23704	Strand	-
Start	1	End	3392
Name	OJ990430_22.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	1362	End	1907
GI	none	Score	63
Exons	1362..1616, 1674..1751, 1776..1907		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23705	Strand	+
Start	459	End	1104
Name	OJ990430_22.9A01.C11.o1.gs	Method	GENSCAN
Start	459	End	1104
GI	none	Score	.85
Exons	459..557, 729..915, 998..1104		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23706	Strand	+
Start	3525	End	4016
Name	OJ990430_22.9A01.C11.o2.gs	Method	GENSCAN
Start	3525	End	4016
GI	none	Score	.88
Exons	3525..4016		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23707	Strand	+
Start	3990	End	4127
Name	OJ990430_22.9A01.C11.o1.np	Method	AAT/NAP
Start	3990	End	4127
GI	6729538	Score	74
Exons	3990..4127		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	3494	End	3713
GI	none	Score	258
Exons	3494..3712, 3522..3713		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o3.tc	Method	TBLASTX:Cress
Start	3500	End	4145
GI	none	Score	138
Exons	3500..3670, 3516..3731, 3956..4144, 3957..4145		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	3939	End	4130
GI	none	Score	82
Exons	3939..3995, 3941..4027, 3965..4126, 3984..4130		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o3.gs	Method	GENSCAN
Start	8311	End	14141
GI	none	Score	.68
Exons	8311..8316, 9679..9890, 10151..10468, 11373..11506, 12554..12726, 13311..13517, 13595..13870, 14040..14141		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o1.gp	Method	AAT/GAP
Start	10238	End	13431
GI	25396_1.R1084	Score	1002
Exons	10238..10468, 12554..12726, 13311..13431		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o2.np	Method	AAT/NAP
Start	10264	End	15015
GI	6523084	Score	1129
Exons	10264..10468, 12554..12802, 13439..13517, 13595..13870, 14381..14544, 14721..15015		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana] gi|6686786|emb|CAB64720.1| (AJ132317) AKIN gamma [Arabidopsis thaliana]		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11

Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	10312	End	15025
GI	none	Score	244
Exons	10312..10467, 10323..10451, 12547..12726, 12552..12719, 12556..12726, 12560..12730, 13277..13417, 13283..13519, 13308..13520, 13311..13571, 13591..13872, 13595..13837, 14378..14545, 14378..14545, 14380..14547, 14380..14547, 14705..14830, 14713..15021, 14716..15021, 14942..15025		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	10318	End	14814
GI	none	Score	180
Exons	10318..10467, 10323..10454, 12552..12704, 12556..12750, 13446..13520, 13466..13540, 13595..13630, 13609..13872, 13628..13837, 14378..14545, 14380..14547, 14713..14814		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o2.tc	Method	TBLASTX:Cress
Start	12658	End	13836
GI	none	Score	105
Exons	12658..12750, 12661..12726, 13425..13520, 13454..13519, 13594..13737, 13595..13741, 13748..13792, 13804..13836		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	14713	End	15072
GI	none	Score	276
Exons	14713..14772, 14782..15072, 14865..15005		

Seq. No.	11138	Seq. ID	OJ990430_22.9A01.C11
Gene No.	23708	Strand	+
Start	8311	End	15072
Name	OJ990430_22.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	14818	End	15021
GI	none	Score	255
Exons	14818..15021, 14871..15014		

Seq. No.	11139	Seq. ID	OJ990430_22.9A01.C13
Gene No.	23709	Strand	+
Start	2261	End	4192
Name	OJ990430_22.9A01.C13.o1.gs	Method	GENSCAN
Start	2261	End	4192
GI	none	Score	.84
Exons	2261..2875, 2886..3296, 4076..4192		

Seq. No.	11139	Seq. ID	OJ990430_22.9A01.C13
Gene No.	23710	Strand	+
Start	4615	End	12619

Name	OJ990430_22.9A01.C13.o2.gs	Method	GENSCAN
Start	4615	End	12619
GI	none	Score	.55
Exons	4615..4636, 4775..4941, 6034..6176, 6605..6805, 7834..7956, 8730..9402, 9958..10113, 12119..12619		

Seq. No.	11139	Seq. ID	OJ990430_22.9A01.C13
Gene No.	23710	Strand	+
Start	4615	End	12619
Name	OJ990430_22.9A01.C13.o1.np	Method	AAT/NAP
Start	11517	End	12616
GI	6815053	Score	755
Exons	11517..11666, 12158..12330, 12379..12616		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	11139	Seq. ID	OJ990430_22.9A01.C13
Gene No.	23711	Strand	-
Start	6918	End	7345
Name	OJ990430_22.9A01.C13.o1.gp	Method	AAT/GAP
Start	6918	End	7345
GI	4878407	Score	653
Exons	6918..7345		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	11139	Seq. ID	OJ990430_22.9A01.C13
Gene No.	23712	Strand	-
Start	16194	End	16602
Name	OJ990430_22.9A01.C13.o2.gp	Method	AAT/GAP
Start	16194	End	16602
GI	uC-osflcyp021f01b1	Score	208
Exons	16194..16350, 16581..16602		
GI Descrip.	'5852077/emb|AL117264.1|OSB6015 1.0e-31 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone: b6015'		

Seq. No.	11140	Seq. ID	OJ990520_26.9A15.C3
Gene No.	23713	Strand	+
Start	476	End	1900
Name	OJ990520_26.9A15.C3.o1.gs	Method	GENSCAN
Start	476	End	1893
GI	none	Score	.74
Exons	476..597, 849..974, 1053..1128, 1285..1377, 1606..1893		

Seq. No.	11140	Seq. ID	OJ990520_26.9A15.C3
Gene No.	23713	Strand	+
Start	476	End	1900
Name	OJ990520_26.9A15.C3.o1.tm	Method	TBLASTX:Maize
Start	711	End	1900
GI	none	Score	72
Exons	711..767, 714..767, 715..768, 716..769, 849..977, 850..975, 1053..1133, 1054..1134, 1285..1377, 1285..1377, 1605..1733, 1606..1719, 1820..1900, 1839..1895		

Seq. No.	11140	Seq. ID	OJ990520_26.9A15.C3
Gene No.	23713	Strand	+
Start	476	End	1900
Name	OJ990520_26.9A15.C3.o1.ts	Method	TBLASTX:Soybean

Start	844	End	1893
GI	none	Score	191
Exons	844..975, 849..977, 865..987, 1285..1377, 1561..1722, 1562..1723, 1590..1733, 1600..1722, 1834..1893		

Seq. No.	11141	Seq. ID	OJ990520_26.9A15.C4
Gene No.	23714	Strand	+
Start	52	End	885
Name	OJ990520_26.9A15.C4.o1.gs	Method	GENSCAN
Start	52	End	885
GI	none	Score	.73
Exons	52..885		

Seq. No.	11141	Seq. ID	OJ990520_26.9A15.C4
Gene No.	23714	Strand	+
Start	52	End	885
Name	OJ990520_26.9A15.C4.o1.tm	Method	TBLASTX:Maize
Start	442	End	705
GI	none	Score	107
Exons	442..567, 573..692, 574..705		

Seq. No.	11141	Seq. ID	OJ990520_26.9A15.C4
Gene No.	23714	Strand	+
Start	52	End	885
Name	OJ990520_26.9A15.C4.o1.ts	Method	TBLASTX:Soybean
Start	592	End	864
GI	none	Score	135
Exons	592..717, 727..864		

Seq. No.	11142	Seq. ID	OJ990520_26.9A15.C5
Gene No.	23715	Strand	-
Start	4853	End	7925
Name	OJ990520_26.9A15.C5.o1.gp	Method	AAT/GAP
Start	4534	End	7282
GI	15166_1.R1084	Score	2049
Exons	4534..4938, 5230..5274, 5803..6006, 6549..6639, 6729..6803, 6890..7029, 7110..7282		
GI Descrip.	'3193324 1.0e-98 (AF069299) contains similarity to WD domains, G-beta repeats (Pfam: G-beta.hmm, score: 22.80 and 35.84) [Arabidopsis thaliana]'		

Seq. No.	11142	Seq. ID	OJ990520_26.9A15.C5
Gene No.	23715	Strand	-
Start	4853	End	7925
Name	OJ990520_26.9A15.C5.o1.ts	Method	TBLASTX:Soybean
Start	4841	End	7411
GI	none	Score	182
Exons	4841..4942, 5800..5997, 5804..6016, 5805..5996, 6538..6642, 6551..6640, 6723..6764, 6729..6767, 6753..6806, 6762..6803, 6764..6814, 6887..7048, 6894..7028, 6911..7066, 7108..7272, 7111..7272, 7280..7411, 7282..7407		

Seq. No.	11142	Seq. ID	OJ990520_26.9A15.C5
Gene No.	23715	Strand	-
Start	4853	End	7925
Name	OJ990520_26.9A15.C5.o1.gs	Method	GENSCAN
Start	4853	End	7901

GI	none	Score	.89
Exons	4853..4938, 5230..5274, 5803..6006, 6549..6639, 6890..7029, 7110..7405, 7491..7551, 7796..7901		

Seq. No.	11142	Seq. ID	OJ990520_26.9A15.C5
Gene No.	23715	Strand	-
Start	4853	End	7925
Name	OJ990520_26.9A15.C5.o1.np	Method	AAT/NAP
Start	4856	End	7901
GI	3193324	Score	960
Exons	4856..4923, 5215..5274, 5803..6006, 6549..6639, 6729..6803, 6890..7029, 7110..7551, 7796..7901		
GI Descrip.	(AF069299) contains similarity to WD domains, G-beta repeats (Pfam: G-beta.hmm, score: 22.80 and 35.84) [Arabidopsis thaliana]		

Seq. No.	11142	Seq. ID	OJ990520_26.9A15.C5
Gene No.	23715	Strand	-
Start	4853	End	7925
Name	OJ990520_26.9A15.C5.o2.tm	Method	TBLASTX:Maize
Start	5835	End	5971
GI	none	Score	168
Exons	5835..5969, 5836..5970, 5837..5971, 5837..5971		

Seq. No.	11142	Seq. ID	OJ990520_26.9A15.C5
Gene No.	23715	Strand	-
Start	4853	End	7925
Name	OJ990520_26.9A15.C5.o1.tm	Method	TBLASTX:Maize
Start	5975	End	6976
GI	none	Score	123
Exons	5975..6016, 6538..6642, 6545..6640, 6549..6641, 6549..6653, 6550..6642, 6729..6803, 6730..6804, 6734..6805, 6854..6976, 6863..6961, 6888..6965		

Seq. No.	11142	Seq. ID	OJ990520_26.9A15.C5
Gene No.	23715	Strand	-
Start	4853	End	7925
Name	OJ990520_26.9A15.C5.o1.tc	Method	TBLASTX:Cress
Start	6550	End	7892
GI	none	Score	61
Exons	6550..6636, 6995..7015, 7111..7251, 7112..7249, 7136..7258, 7282..7407, 7289..7411, 7358..7411, 7520..7549, 7797..7892		

Seq. No.	11142	Seq. ID	OJ990520_26.9A15.C5
Gene No.	23715	Strand	-
Start	4853	End	7925
Name	OJ990520_26.9A15.C5.o3.tm	Method	TBLASTX:Maize
Start	7129	End	7411
GI	none	Score	99
Exons	7129..7197, 7198..7401, 7203..7358, 7204..7401, 7217..7411		

Seq. No.	11142	Seq. ID	OJ990520_26.9A15.C5
Gene No.	23715	Strand	-
Start	4853	End	7925
Name	OJ990520_26.9A15.C5.o2.gp	Method	AAT/GAP
Start	7796	End	7925
GI	65096_1.R1084	Score	170

Exons	7796..7925		
GI Descrip.	'3193324 5.0e-12 (AF069299) contains similarity to WD domains, G-beta repeats (Pfam: G-beta.hmm, score: 22.80 and 35.84) [Arabidopsis thaliana]'		
Seq. No.	11143	Seq. ID	OJ990520_26.9A15.C6
Gene No.	23716	Strand	+
Start	1047	End	1720
Name	OJ990520_26.9A15.C6.o2.gs	Method	GENSCAN
Start	1047	End	1720
GI	none	Score	.43
Exons	1047..1431, 1620..1720		
Seq. No.	11143	Seq. ID	OJ990520_26.9A15.C6
Gene No.	23717	Strand	+
Start	6288	End	9502
Name	OJ990520_26.9A15.C6.o1.np	Method	AAT/NAP
Start	6285	End	9502
GI	5931694	Score	1026
Exons	6285..6382, 6816..6932, 7887..7979, 8081..8152, 8264..8371, 8439..8521, 8662..8800, 8890..8958, 9187..9264, 9375..9502		
GI Descrip.	(Y18470) Exportin1 (XPO1) protein [Arabidopsis thaliana]		
Seq. No.	11143	Seq. ID	OJ990520_26.9A15.C6
Gene No.	23717	Strand	+
Start	6288	End	9502
Name	OJ990520_26.9A15.C6.o4.gs	Method	GENSCAN
Start	6288	End	9434
GI	none	Score	.94
Exons	6288..6382, 6818..6932, 7887..7979, 8081..8152, 8439..8521, 8662..8800, 8890..8958, 9187..9264, 9375..9434		
Seq. No.	11143	Seq. ID	OJ990520_26.9A15.C6
Gene No.	23717	Strand	+
Start	6288	End	9502
Name	OJ990520_26.9A15.C6.o2.gp	Method	AAT/GAP
Start	8680	End	8961
GI	uC-osf1M202077d02b1	Score	339
Exons	8680..8800, 8890..8961		
GI Descrip.	'5931694/emb|CAB56597.1| 2.0e-18 (Y18470) Exportin1 (XPO1) protein [Arabidopsis thaliana]'		
Seq. No.	11143	Seq. ID	OJ990520_26.9A15.C6
Gene No.	23718	Strand	-
Start	170	End	481
Name	OJ990520_26.9A15.C6.o1.gp	Method	AAT/GAP
Start	170	End	481
GI	65096_1.R1084	Score	532
Exons	170..481		
GI Descrip.	'3193324 5.0e-12 (AF069299) contains similarity to WD domains, G-beta repeats (Pfam: G-beta.hmm, score: 22.80 and 35.84) [Arabidopsis thaliana]'		
Seq. No.	11143	Seq. ID	OJ990520_26.9A15.C6
Gene No.	23718	Strand	-
Start	170	End	481
Name	OJ990520_26.9A15.C6.o1.gs	Method	GENSCAN

Start	171	End	401
GI	none	Score	.59
Exons	171..401		

Seq. No.	11143	Seq. ID	OJ990520_26.9A15.C6
Gene No.	23719	Strand	-
Start	3771	End	5330
Name	OJ990520_26.9A15.C6.o2.tm	Method	TBLASTX:Maize
Start	183	End	314
GI	none	Score	142
Exons	183..314, 202..291		

Seq. No.	11143	Seq. ID	OJ990520_26.9A15.C6
Gene No.	23719	Strand	-
Start	3771	End	5330
Name	OJ990520_26.9A15.C6.o3.gs	Method	GENSCAN
Start	3771	End	5330
GI	none	Score	.75
Exons	3771..3775, 4123..4203, 4277..4689, 5248..5330		

Seq. No.	11143	Seq. ID	OJ990520_26.9A15.C6
Gene No.	23719	Strand	-
Start	3771	End	5330
Name	OJ990520_26.9A15.C6.o1.tm	Method	TBLASTX:Maize
Start	4302	End	4556
GI	none	Score	64
Exons	4302..4349, 4304..4486, 4404..4556		

Seq. No.	11143	Seq. ID	OJ990520_26.9A15.C6
Gene No.	23720	Strand	
Start	8486	End	9264
Name	OJ990520_26.9A15.C6.o1.tc	Method	TBLASTX:Cress
Start	8486	End	9264
GI	none	Score	101
Exons	8486..8524, 8634..8798, 8650..8799, 8650..8814, 8654..8803, 8655..8813, 8657..8815, 8889..8960, 8890..8961, 9174..9263, 9184..9264		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23721	Strand	+
Start	1	End	12922
Name	OJ990520_26.9A15.C7.o1.np	Method	AAT/NAP
Start	1	End	4932
GI	5931694	Score	2071
Exons	1..224, 361..458, 535..643, 900..965, 1141..1239, 1331..1411, 1494..1583, 2179..2264, 2798..2878, 2922..3104, 3267..3333, 3420..3530, 3659..3767, 3848..3991, 4063..4194, 4266..4370, 4813..4932		
GI Descrip.	(Y18470) Exportin1 (XPO1) protein [Arabidopsis thaliana]		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23721	Strand	+
Start	1	End	12922
Name	OJ990520_26.9A15.C7.o1.gs	Method	GENSCAN
Start	62	End	12922
GI	none	Score	.59
Exons	62..224, 361..458, 535..643, 900..965, 1141..1239, 1434..1583,		

2179..2264, 2798..2878, 2922..3104, 3267..3333, 3420..3530, 3848..3985, 4063..4194, 4215..4370, 6390..6545, 6707..7647, 8736..9475, 9890..10014, 10111..10311, 12809..12922

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23721	Strand	+
Start	1	End	12922
Name	OJ990520_26.9A15.C7.o1.gp	Method	AAT/GAP
Start	3063	End	5063
GI	8515_1.R1084	Score	1637
Exons	3063..3104, 3267..3333, 3420..3530, 3659..3767, 3848..3985, 4063..4194, 4266..4370, 4813..5063		
GI Descrip.	'5931694/emb|CAB56597.1| 1.0e-93 (Y18470) Exportin1 (XPO1) protein [Arabidopsis thaliana]'		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23721	Strand	+
Start	1	End	12922
Name	OJ990520_26.9A15.C7.o2.np	Method	AAT/NAP
Start	6288	End	10599
GI	2586082	Score	4575
Exons	6288..10599		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23722	Strand	+
Start	13058	End	13466
Name	OJ990520_26.9A15.C7.o3.gp	Method	AAT/GAP
Start	13058	End	13466
GI	none	Score	778
Exons	13058..13466		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23723	Strand	-
Start	13289	End	14322
Name	OJ990520_26.9A15.C7.o2.gs	Method	GENSCAN
Start	13289	End	14023
GI	none	Score	.82
Exons	13289..14023		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23723	Strand	-
Start	13289	End	14322
Name	OJ990520_26.9A15.C7.o3.np	Method	AAT/NAP
Start	13325	End	13972
GI	6729496	Score	743
Exons	13325..13972		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23723	Strand	-
Start	13289	End	14322
Name	OJ990520_26.9A15.C7.o4.gp	Method	AAT/GAP
Start	13578	End	14322
GI	42519_1.R1084	Score	1256
Exons	13578..14322		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp.		

japonica BAC clone 34K24, complete sequence'

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o6.ts	Method	TBLASTX:Soybean
Start	111	End	2253
GI	none	Score	192
Exons	111..224, 111..224, 112..225, 113..226, 113..226, 358..459, 360..461, 530..643, 532..636, 536..643, 877..954, 896..967, 897..968, 899..967, 1126..1242, 1138..1239, 1140..1241, 1310..1411, 1331..1411, 1491..1583, 1493..1582, 2173..2253, 2175..2252		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o6.tm	Method	TBLASTX:Maize
Start	553	End	2843
GI	none	Score	168
Exons	553..636, 554..643, 554..643, 555..644, 556..645, 877..966, 897..968, 899..967, 1139..1237, 1140..1241, 1141..1242, 1319..1411, 1331..1411, 1491..1583, 1491..1577, 1493..1582, 2172..2264, 2173..2271, 2795..2842, 2796..2843		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o8.tc	Method	TBLASTX:Cress
Start	2172	End	3014
GI	none	Score	109
Exons	2172..2258, 2173..2271, 2795..2872, 2795..2878, 2796..2879, 2919..3014, 2920..3003		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o5.ts	Method	TBLASTX:Soybean
Start	2795	End	3530
GI	none	Score	49
Exons	2795..2863, 2795..2875, 2796..2879, 2920..3108, 2920..3108, 2922..3119, 2931..3119, 3256..3339, 3265..3336, 3402..3530, 3418..3528, 3419..3529		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o1.tm	Method	TBLASTX:Maize
Start	2946	End	4371
GI	none	Score	139
Exons	2946..3083, 2946..3095, 2947..3084, 3079..3108, 3081..3119, 3264..3332, 3265..3336, 3268..3339, 3402..3470, 3411..3476, 3419..3478, 3461..3529, 3465..3530, 3466..3528, 3467..3529, 3652..3720, 3656..3790, 3656..3763, 3797..3985, 3835..3987, 3845..3988, 3847..3987, 4061..4195, 4062..4187, 4062..4196, 4063..4206, 4256..4369, 4263..4370, 4264..4371, 4264..4368, 4265..4369		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o2.tc	Method	TBLASTX:Cress
Start	3658	End	4206
GI	none	Score	99
Exons	3658..3720, 3659..3790, 3659..3763, 3722..3766, 3835..3981, 3839..3985, 3841..3981, 4071..4196, 4072..4206		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o3.ts	Method	TBLASTX:Soybean
Start	3668	End	4375
GI	none	Score	88
Exons	3668..3790, 3670..3720, 3845..3985, 3847..3981, 4071..4130, 4072..4134, 4110..4196, 4132..4206, 4260..4370, 4265..4375		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o10.tm	Method	TBLASTX:Maize
Start	4811	End	5334
GI	none	Score	128
Exons	4811..4930, 4812..4937, 4863..4940, 5000..5101, 5004..5099, 5017..5112, 5017..5115, 5018..5113, 5179..5229, 5206..5334		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o7.tc	Method	TBLASTX:Cress
Start	6360	End	6880
GI	none	Score	79
Exons	6360..6488, 6572..6880		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o6.tw	Method	TBLASTX:Wheat
Start	6381	End	6802
GI	none	Score	87
Exons	6381..6482, 6383..6472, 6471..6578, 6471..6569, 6602..6802, 6640..6795		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o5.tm	Method	TBLASTX:Maize
Start	6383	End	6802
GI	none	Score	117
Exons	6383..6499, 6384..6494, 6507..6578, 6574..6795, 6575..6802		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o2.tw	Method	TBLASTX:Wheat

Start	7210	End	7563
GI	none	Score	418
Exons	7210..7563, 7211..7558		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o9.tm	Method	TBLASTX:Maize
Start	7268	End	7570
GI	none	Score	243
Exons	7268..7570, 7268..7558		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o8.ts	Method	TBLASTX:Soybean
Start	7649	End	8050
GI	none	Score	68
Exons	7649..7735, 7747..7851, 7748..7855, 7871..8050		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o3.tc	Method	TBLASTX:Cress
Start	8045	End	8509
GI	none	Score	333
Exons	8045..8509		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o7.tm	Method	TBLASTX:Maize
Start	8054	End	8479
GI	none	Score	68
Exons	8054..8143, 8120..8479, 8296..8439		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o7.ts	Method	TBLASTX:Soybean
Start	8072	End	8491
GI	none	Score	283
Exons	8072..8491, 8242..8424		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o5.tw	Method	TBLASTX:Wheat
Start	8162	End	8547
GI	none	Score	281
Exons	8162..8497, 8165..8500, 8242..8547		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o4.ts	Method	TBLASTX:Soybean
Start	9070	End	9570

GI	5509260	Score	408
Exons	9070..9570, 9192..9356, 9396..9461, 9507..9545		
GI Descrip.	-		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o11.tm	Method	TBLASTX:Maize
Start	9117	End	9369
GI	none	Score	219
Exons	9117..9368, 9118..9369		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o4.tc	Method	TBLASTX:Cress
Start	9186	End	9456
GI	none	Score	295
Exons	9186..9455, 9187..9456		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o4.tw	Method	TBLASTX:Wheat
Start	9237	End	9750
GI	none	Score	289
Exons	9237..9365, 9238..9582, 9396..9461, 9574..9750		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o2.tm	Method	TBLASTX:Maize
Start	9370	End	9816
GI	none	Score	407
Exons	9370..9816		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o6.tc	Method	TBLASTX:Cress
Start	9637	End	9885
GI	none	Score	201
Exons	9637..9885, 9637..9882, 9756..9884		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o1.tw	Method	TBLASTX:Wheat
Start	9751	End	10188
GI	none	Score	473
Exons	9751..10188, 9756..10187		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o8.tm	Method	TBLASTX:Maize
Start	9885	End	10077

GI	none	Score	279
Exons	9885..10076, 9886..10077		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o5.tc	Method	TBLASTX:Cress
Start	9931	End	10560
GI	none	Score	124
Exons	9931..10134, 10150..10215, 10225..10347, 10381..10560		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o1.ts	Method	TBLASTX:Soybean
Start	9952	End	10629
GI	none	Score	547
Exons	9952..10560, 9954..10079, 10146..10319, 10374..10556, 10600..10629		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o3.tm	Method	TBLASTX:Maize
Start	10078	End	10542
GI	none	Score	42
Exons	10078..10140, 10119..10253, 10120..10248, 10253..10531, 10254..10541, 10255..10542		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o1.tc	Method	TBLASTX:Cress
Start	13340	End	13655
GI	none	Score	204
Exons	13340..13654, 13377..13655		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o2.ts	Method	TBLASTX:Soybean
Start	13400	End	13943
GI	none	Score	245
Exons	13400..13744, 13401..13724, 13797..13943, 13832..13942		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o4.tm	Method	TBLASTX:Maize
Start	13400	End	13823
GI	none	Score	202
Exons	13400..13744, 13401..13730, 13571..13804, 13785..13823		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o3.tw	Method	TBLASTX:Wheat

Start	13454	End	13859
GI	none	Score	168
Exons	13454..13495, 13496..13699, 13497..13700, 13701..13733, 13708..13806, 13709..13810, 13782..13859		

Seq. No.	11144	Seq. ID	OJ990520_26.9A15.C7
Gene No.	23724	Strand	-
Start	14864	End	16242
Name	OJ990520_26.9A15.C7.o4.np	Method	AAT/NAP
Start	14864	End	16242
GI	6907086	Score	785
Exons	14864..15031, 15113..15305, 15410..15453, 15678..15916, 15975..16242		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11145	Seq. ID	OJ990520_26.9A15.C8
Gene No.	23725	Strand	+
Start	1719	End	2217
Name	OJ990520_26.9A15.C8.o2.gp	Method	AAT/GAP
Start	1719	End	2217
GI	38782_1.R1084	Score	802
Exons	1719..2217		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	11145	Seq. ID	OJ990520_26.9A15.C8
Gene No.	23726	Strand	+
Start	4832	End	5894
Name	OJ990520_26.9A15.C8.o2.gs	Method	GENSCAN
Start	4832	End	5894
GI	none	Score	.86
Exons	4832..4837, 4940..5028, 5148..5230, 5716..5894		

Seq. No.	11145	Seq. ID	OJ990520_26.9A15.C8
Gene No.	23727	Strand	+
Start	7838	End	8146
Name	OJ990520_26.9A15.C8.o3.gs	Method	GENSCAN
Start	7838	End	8146
GI	none	Score	.75
Exons	7838..8146		

Seq. No.	11145	Seq. ID	OJ990520_26.9A15.C8
Gene No.	23728	Strand	-
Start	1	End	3758
Name	OJ990520_26.9A15.C8.o1.np	Method	AAT/NAP
Start	1	End	1372
GI	6907088	Score	887
Exons	1..312, 803..1041, 1235..1372		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11145	Seq. ID	OJ990520_26.9A15.C8
Gene No.	23728	Strand	-
Start	1	End	3758
Name	OJ990520_26.9A15.C8.o1.gp	Method	AAT/GAP
Start	351	End	542
GI	5667165	Score	356
Exons	351..542		

GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	11145	Seq. ID	OJ990520_26.9A15.C8
Gene No.	23728	Strand	-
Start	1	End	3758
Name	OJ990520_26.9A15.C8.o1.gs	Method	GENSCAN
Start	494	End	3758
GI	none	Score	.66
Exons	494..660, 1001..1205, 1388..1546, 1822..1932, 2204..2294, 2403..2571, 3330..3385, 3646..3758		
Seq. No.	11145	Seq. ID	OJ990520_26.9A15.C8
Gene No.	23729	Strand	
Start	5144	End	5639
Name	OJ990520_26.9A15.C8.o2.tm	Method	TBLASTX:Maize
Start	5144	End	5639
GI	none	Score	54
Exons	5144..5329, 5155..5337, 5244..5336, 5309..5515, 5330..5515, 5331..5516, 5562..5639, 5563..5634		
Seq. No.	11145	Seq. ID	OJ990520_26.9A15.C8
Gene No.	23730	Strand	
Start	7890	End	8140
Name	OJ990520_26.9A15.C8.o1.tw	Method	TBLASTX:Wheat
Start	7890	End	8140
GI	none	Score	93
Exons	7890..7952, 7891..7968, 7910..8140, 7933..8061		
Seq. No.	11145	Seq. ID	OJ990520_26.9A15.C8
Gene No.	23730	Strand	
Start	7890	End	8140
Name	OJ990520_26.9A15.C8.o1.ts	Method	TBLASTX:Soybean
Start	7910	End	8128
GI	none	Score	323
Exons	7910..8128, 7936..8061		
Seq. No.	11145	Seq. ID	OJ990520_26.9A15.C8
Gene No.	23730	Strand	
Start	7890	End	8140
Name	OJ990520_26.9A15.C8.o1.tm	Method	TBLASTX:Maize
Start	7913	End	8137
GI	none	Score	390
Exons	7913..8137, 7927..8061		
Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23731	Strand	+
Start	46	End	137
Name	OJ990520_26.9A15.C9.o1.gs	Method	GENSCAN
Start	46	End	137
GI	none	Score	.84
Exons	46..137		
Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23732	Strand	+
Start	1643	End	11855
Name	OJ990520_26.9A15.C9.o2.np	Method	AAT/NAP

Start	1643	End	5454
GI	2911040	Score	444
Exons	1643..1676, 4927..5454		
GI Descrip.	(AL021961) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23732	Strand	+
Start	1643	End	11855
Name	OJ990520_26.9A15.C9.o3.gp	Method	AAT/GAP
Start	4793	End	5260
GI	4968847	Score	771
Exons	4793..5260		
GI Descrip.	2911040/emb|CAA17550| 2.0e-23 (AL021961) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23732	Strand	+
Start	1643	End	11855
Name	OJ990520_26.9A15.C9.o4.gs	Method	GENSCAN
Start	4852	End	11855
GI	none	Score	.57
Exons	4852..5427, 6181..6367, 7894..7928, 8298..8751, 8838..8938, 9087..9143, 9402..9478, 9667..9715, 10317..10394, 10961..11162, 11260..11855		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23732	Strand	+
Start	1643	End	11855
Name	OJ990520_26.9A15.C9.o4.gp	Method	AAT/GAP
Start	5275	End	6525
GI	3763862	Score	932
Exons	5275..5427, 6181..6525		
GI Descrip.	2911040/emb|CAA17550| 1.0e-08 (AL021961) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23732	Strand	+
Start	1643	End	11855
Name	OJ990520_26.9A15.C9.o5.gp	Method	AAT/GAP
Start	7226	End	7566
GI	427813	Score	623
Exons	7226..7566		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23732	Strand	+
Start	1643	End	11855
Name	OJ990520_26.9A15.C9.o3.np	Method	AAT/NAP
Start	8343	End	10330
GI	3292814	Score	774
Exons	8343..8751, 8838..8950, 9041..9143, 9402..9478, 9667..9711, 9799..9916, 10027..10124, 10264..10330		
GI Descrip.	(AL031018) putative protein [Arabidopsis thaliana]		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23732	Strand	+
Start	1643	End	11855

Name	OJ990520_26.9A15.C9.o6.gp	Method	AAT/GAP
Start	8834	End	10604
GI	1791_1.R1084	Score	1467
Exons	8834..8938, 9087..9143, 9402..9478, 9667..9715, 9806..9916, 10027..10124, 10264..10604		
GI Descrip.	'3292814/emb|CAA19804.1| 1.0e-71 (AL031018) putative protein [Arabidopsis thaliana]'		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23733	Strand	+
Start	15406	End	17625
Name	OJ990520_26.9A15.C9.o7.gp	Method	AAT/GAP
Start	15304	End	15386
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	15304..15386		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23733	Strand	+
Start	15406	End	17625
Name	OJ990520_26.9A15.C9.o5.gs	Method	GENSCAN
Start	15406	End	17625
GI	none	Score	.65
Exons	15406..15424, 15881..16214, 16464..16517, 17516..17625		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23734	Strand	-
Start	997	End	6385
Name	OJ990520_26.9A15.C9.o1.gp	Method	AAT/GAP
Start	810	End	1434
GI	42443_1.R1084	Score	1120
Exons	810..1434		
GI Descrip.	'2911040/emb|CAA17550| 1.0e-08 (AL021961) receptor protein kinase - like protein [Arabidopsis thaliana]'		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23734	Strand	-
Start	997	End	6385
Name	OJ990520_26.9A15.C9.o2.gs	Method	GENSCAN
Start	997	End	1795
GI	none	Score	.78
Exons	997..1187, 1340..1433, 1517..1795		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23734	Strand	-
Start	997	End	6385
Name	OJ990520_26.9A15.C9.o3.tm	Method	TBLASTX:Maize
Start	1006	End	6385
GI	none	Score	66
Exons	1006..1167, 1034..1150, 6165..6383, 6169..6369, 6169..6384, 6177..6383, 6242..6385		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23734	Strand	-
Start	997	End	6385

Name	OJ990520_26.9A15.C9.o1.tc	Method	TBLASTX:Cress
Start	1054	End	6318
GI	none	Score	39
Exons	1054..1161, 1085..1150, 1170..1316, 1185..1319, 1377..1466, 1378..1467, 1487..1642, 1488..1643, 1490..1648, 1650..1703, 1658..1702, 4930..4989, 4935..4988, 4990..5148, 4992..5144, 5148..5345, 5170..5409, 6201..6314, 6202..6318		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23734	Strand	-
Start	997	End	6385
Name	OJ990520_26.9A15.C9.o1.tw	Method	TBLASTX:Wheat
Start	1078	End	6299
GI	none	Score	49
Exons	1078..1161, 1085..1156, 1167..1313, 1167..1316, 1171..1317, 1377..1460, 1378..1461, 5169..5285, 5170..5286, 5281..5412, 5281..5427, 5304..5429, 6169..6294, 6180..6299		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23734	Strand	-
Start	997	End	6385
Name	OJ990520_26.9A15.C9.o1.ts	Method	TBLASTX:Soybean
Start	1117	End	5409
GI	none	Score	55
Exons	1117..1161, 1170..1316, 1171..1317, 1363..1455, 1377..1457, 1378..1455, 1487..1642, 1488..1643, 1658..1702, 4912..4980, 4923..4976, 4990..5154, 4992..5153, 5148..5228, 5173..5277, 5275..5409, 5295..5345		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23734	Strand	-
Start	997	End	6385
Name	OJ990520_26.9A15.C9.o1.np	Method	AAT/NAP
Start	1164	End	5068
GI	2911040	Score	365
Exons	1164..1713, 4975..5068		
GI Descrip.	(AL021961) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23734	Strand	-
Start	997	End	6385
Name	OJ990520_26.9A15.C9.o1.tm	Method	TBLASTX:Maize
Start	1170	End	5409
GI	none	Score	53
Exons	1170..1316, 1171..1311, 1377..1457, 1386..1451, 1568..1702, 1596..1688, 4930..5064, 4944..5063, 5091..5144, 5092..5163, 5173..5271, 5284..5409		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23734	Strand	-
Start	997	End	6385
Name	OJ990520_26.9A15.C9.o2.gp	Method	AAT/GAP
Start	1618	End	1929
GI	701261	Score	533
Exons	1618..1929		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23734	Strand	-
Start	997	End	6385
Name	OJ990520_26.9A15.C9.o3.gs	Method	GENSCAN
Start	2648	End	3188
GI	none	Score	.55
Exons	2648..2841, 3083..3188		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23735	Strand	
Start	8547	End	10345
Name	OJ990520_26.9A15.C9.o2.ts	Method	TBLASTX:Soybean
Start	8547	End	8941
GI	none	Score	72
Exons	8547..8603, 8598..8753, 8603..8752, 8819..8941, 8842..8937		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23735	Strand	
Start	8547	End	10345
Name	OJ990520_26.9A15.C9.o2.tc	Method	TBLASTX:Cress
Start	8550	End	10345
GI	none	Score	57
Exons	8550..8600, 8598..8753, 8600..8752, 8842..8937, 8843..8941, 9089..9145, 9090..9146, 9399..9461, 9401..9490, 9668..9703, 9800..9901, 9805..9912, 9993..10118, 10021..10119, 10262..10327, 10277..10345		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23735	Strand	
Start	8547	End	10345
Name	OJ990520_26.9A15.C9.o2.tm	Method	TBLASTX:Maize
Start	8556	End	10327
GI	none	Score	51
Exons	8556..8585, 8559..8600, 8598..8756, 8606..8749, 8653..8751, 8661..8744, 8721..8813, 8828..8932, 8842..8937, 8843..8938, 8863..8943, 9086..9145, 9087..9146, 9399..9458, 9399..9470, 9400..9465, 9401..9517, 9668..9703, 9800..9901, 9805..9954, 10021..10122, 10023..10121, 10025..10129, 10026..10127, 10262..10327		

Seq. No.	11146	Seq. ID	OJ990520_26.9A15.C9
Gene No.	23735	Strand	
Start	8547	End	10345
Name	OJ990520_26.9A15.C9.o3.ts	Method	TBLASTX:Soybean
Start	9089	End	10324
GI	none	Score	85
Exons	9089..9145, 9090..9146, 9399..9461, 9399..9491, 9400..9480, 9668..9706, 9668..9703, 9800..9901, 9808..9912, 10021..10119, 10023..10121, 10262..10324		

Seq. No.	11147	Seq. ID	OJ990520_26.9A15.C10
Gene No.	23736	Strand	-
Start	1076	End	6910
Name	OJ990520_26.9A15.C10.o1.gs	Method	GENSCAN
Start	1076	End	6863
GI	none	Score	.65
Exons	1076..1255, 1453..1585, 2315..2652, 2742..2840, 2922..3239,		

3310..3560, 3655..3925, 4198..4270, 4489..6863

Seq. No.	11147	Seq. ID	OJ990520_26.9A15.C10
Gene No.	23736	Strand	-
Start	1076	End	6910
Name	OJ990520_26.9A15.C10.o1.np	Method	AAT/NAP
Start	1736	End	5999
GI	6815062	Score	4637
Exons	1736..1969, 2024..2044, 2325..2664, 2742..2840, 2922..3267, 3310..3560, 3655..3925, 4198..4270, 4489..5999		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	11147	Seq. ID	OJ990520_26.9A15.C10
Gene No.	23736	Strand	-
Start	1076	End	6910
Name	OJ990520_26.9A15.C10.o2.tm	Method	TBLASTX:Maize
Start	3353	End	3817
GI	none	Score	44
Exons	3353..3433, 3376..3429, 3439..3468, 3463..3570, 3485..3571, 3632..3817, 3639..3815		

Seq. No.	11147	Seq. ID	OJ990520_26.9A15.C10
Gene No.	23736	Strand	-
Start	1076	End	6910
Name	OJ990520_26.9A15.C10.o1.tm	Method	TBLASTX:Maize
Start	5415	End	5958
GI	none	Score	39
Exons	5415..5780, 5435..5458, 5491..5781, 5799..5954, 5833..5958		

Seq. No.	11147	Seq. ID	OJ990520_26.9A15.C10
Gene No.	23736	Strand	-
Start	1076	End	6910
Name	OJ990520_26.9A15.C10.o2.np	Method	AAT/NAP
Start	6447	End	6910
GI	6525240	Score	74
Exons	6447..6910		
GI Descrip.	(AF206632) ring-infested erythrocyte surface antigen [Plasmodium falciparum]		

Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23737	Strand	+
Start	345	End	970
Name	OJ990520_26.9A15.C11.o1.gs	Method	GENSCAN
Start	345	End	970
GI	none	Score	.88
Exons	345..575, 904..970		

Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23738	Strand	+
Start	5009	End	9416
Name	OJ990520_26.9A15.C11.o3.gs	Method	GENSCAN
Start	5009	End	9416
GI	none	Score	.79
Exons	5009..5049, 5273..5354, 5509..5670, 5857..6000, 9345..9416		

Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23739	Strand	-
Start	3319	End	3804
Name	OJ990520_26.9A15.C11.o2.gs	Method	GENSCAN
Start	3319	End	3804
GI	none	Score	.67
Exons	3319..3467, 3584..3680, 3742..3804		

Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23740	Strand	-
Start	12030	End	13632
Name	OJ990520_26.9A15.C11.o1.tw	Method	TBLASTX:Wheat
Start	10787	End	11188
GI	none	Score	121
Exons	10787..10960, 11039..11188		

Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23740	Strand	-
Start	12030	End	13632
Name	OJ990520_26.9A15.C11.o2.tm	Method	TBLASTX:Maize
Start	10976	End	11256
GI	none	Score	121
Exons	10976..11251, 11058..11255, 11131..11256		

Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23740	Strand	-
Start	12030	End	13632
Name	OJ990520_26.9A15.C11.o2.tw	Method	TBLASTX:Wheat
Start	11195	End	11584
GI	none	Score	69
Exons	11195..11356, 11214..11357, 11405..11584		

Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23740	Strand	-
Start	12030	End	13632
Name	OJ990520_26.9A15.C11.o1.gp	Method	AAT/GAP
Start	12030	End	13632
GI	1016_1.R1084	Score	3153
Exons	12030..13632		
GI Descrip.	'1854637 0.0e+00 (U50333) gibberellin C-20 oxidase [Oryza sativa]'		

Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23740	Strand	-
Start	12030	End	13632
Name	OJ990520_26.9A15.C11.o2.np	Method	AAT/NAP
Start	12346	End	13461
GI	1854637	Score	1911
Exons	12346..13461		
GI Descrip.	(U50333) gibberellin C-20 oxidase [Oryza sativa]		

Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23740	Strand	-
Start	12030	End	13632
Name	OJ990520_26.9A15.C11.o1.tc	Method	TBLASTX:Cress
Start	12380	End	13425
GI	none	Score	55

Exons	12380..12466, 12382..12876, 12542..12832, 12628..12861, 12868..12960, 13037..13267, 13045..13278, 13336..13425		
Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23740	Strand	-
Start	12030	End	13632
Name	OJ990520_26.9A15.C11.o1.ts	Method	TBLASTX:Soybean
Start	12382	End	12966
GI	none	Score	39
Exons	12382..12855, 12383..12463, 12542..12880, 12877..12966		
Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23740	Strand	-
Start	12030	End	13632
Name	OJ990520_26.9A15.C11.o3.tm	Method	TBLASTX:Maize
Start	12382	End	12694
GI	none	Score	41
Exons	12382..12483, 12395..12466, 12487..12693, 12542..12694		
Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23740	Strand	-
Start	12030	End	13632
Name	OJ990520_26.9A15.C11.o2.ts	Method	TBLASTX:Soybean
Start	13015	End	13291
GI	none	Score	180
Exons	13015..13290, 13055..13291		
Seq. No.	11148	Seq. ID	OJ990520_26.9A15.C11
Gene No.	23740	Strand	-
Start	12030	End	13632
Name	OJ990520_26.9A15.C11.o1.tm	Method	TBLASTX:Maize
Start	13030	End	13425
GI	none	Score	298
Exons	13030..13329, 13049..13285, 13297..13425, 13312..13425		
Seq. No.	11149	Seq. ID	OJ990520_26.9A15.C12
Gene No.	23741	Strand	-
Start	3199	End	6102
Name	OJ990520_26.9A15.C12.o2.gs	Method	GENSCAN
Start	3199	End	6102
GI	none	Score	.56
Exons	3199..3268, 4757..4923, 5887..6102		
Seq. No.	11150	Seq. ID	OJ990520_26.9A15.C13
Gene No.	23742	Strand	+
Start	1152	End	1373
Name	OJ990520_26.9A15.C13.o1.gs	Method	GENSCAN
Start	1152	End	1373
GI	none	Score	.54
Exons	1152..1373		
Seq. No.	11151	Seq. ID	OJ990520_26.9A15.C15
Gene No.	23743	Strand	+
Start	1	End	898
Name	OJ990520_26.9A15.C15.o1.np	Method	AAT/NAP
Start	1	End	898
GI	5931694	Score	294

Exons	1..63, 232..415, 547..610, 790..898		
GI Descrip.	(Y18470) Exportin1 (XPO1) protein [Arabidopsis thaliana]		
Seq. No.	11151	Seq. ID	OJ990520_26.9A15.C15
Gene No.	23743	Strand	+
Start	1	End	898
Name	OJ990520_26.9A15.C15.o1.gs	Method	GENSCAN
Start	215	End	606
GI	none	Score	.52
Exons	215..415, 547..606		
Seq. No.	11152	Seq. ID	OJ990520_26.9A15.C16
Gene No.	23744	Strand	+
Start	1	End	157
Name	OJ990520_26.9A15.C16.o1.np	Method	AAT/NAP
Start	1	End	157
GI	2498930	Score	70
Exons	1..30, 84..157		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	11152	Seq. ID	OJ990520_26.9A15.C16
Gene No.	23745	Strand	-
Start	38	End	82
Name	OJ990520_26.9A15.C16.o1.gs	Method	GENSCAN
Start	38	End	82
GI	none	Score	.58
Exons	38..82		
Seq. No.	11153	Seq. ID	OJ990520_12.9A19.C1
Gene No.	23746	Strand	+
Start	349	End	481
Name	OJ990520_12.9A19.C1.o1.gs	Method	GENSCAN
Start	349	End	481
GI	none	Score	.74
Exons	349..481		
Seq. No.	11154	Seq. ID	OJ990520_12.9A19.C2
Gene No.	23747	Strand	+
Start	1758	End	2917
Name	OJ990520_12.9A19.C2.o1.gs	Method	GENSCAN
Start	1758	End	2917
GI	none	Score	.59
Exons	1758..1911, 2772..2917		
Seq. No.	11154	Seq. ID	OJ990520_12.9A19.C2
Gene No.	23748	Strand	-
Start	3369	End	4575
Name	OJ990520_12.9A19.C2.o2.tm	Method	TBLASTX:Maize
Start	1585	End	2067
GI	none	Score	168
Exons	1585..1761, 1599..1751, 1855..2067		
Seq. No.	11154	Seq. ID	OJ990520_12.9A19.C2
Gene No.	23748	Strand	-
Start	3369	End	4575
Name	OJ990520_12.9A19.C2.o2.gs	Method	GENSCAN

Start	3369	End	4498
GI	none	Score	.95
Exons	3369..4002, 4124..4253, 4354..4498		

Seq. No.	11154	Seq. ID	OJ990520_12.9A19.C2
Gene No.	23748	Strand	-
Start	3369	End	4575
Name	OJ990520_12.9A19.C2.o1.np	Method	AAT/NAP
Start	3405	End	4498
GI	421980	Score	739
Exons	3405..4002, 4124..4253, 4357..4498		
GI Descrip.	transforming protein (myb3) - barley gi|19059|emb|CAA50223| (X70878) MybHv33 [Hordeum vulgare]		

Seq. No.	11154	Seq. ID	OJ990520_12.9A19.C2
Gene No.	23748	Strand	-
Start	3369	End	4575
Name	OJ990520_12.9A19.C2.o1.tm	Method	TBLASTX:Maize
Start	3894	End	4551
GI	none	Score	127
Exons	3894..4013, 3924..4004, 3925..4005, 4063..4254, 4109..4261, 4190..4255, 4349..4504, 4355..4507, 4356..4508, 4357..4551, 4426..4521		

Seq. No.	11154	Seq. ID	OJ990520_12.9A19.C2
Gene No.	23748	Strand	-
Start	3369	End	4575
Name	OJ990520_12.9A19.C2.o1.ts	Method	TBLASTX:Soybean
Start	3915	End	4468
GI	none	Score	91
Exons	3915..4004, 3916..4005, 4063..4254, 4106..4255, 4353..4457, 4355..4468		

Seq. No.	11154	Seq. ID	OJ990520_12.9A19.C2
Gene No.	23748	Strand	-
Start	3369	End	4575
Name	OJ990520_12.9A19.C2.o1.tc	Method	TBLASTX:Cress
Start	3918	End	4465
GI	none	Score	108
Exons	3918..3977, 3966..4004, 4108..4254, 4109..4255, 4353..4463, 4355..4465		

Seq. No.	11154	Seq. ID	OJ990520_12.9A19.C2
Gene No.	23748	Strand	-
Start	3369	End	4575
Name	OJ990520_12.9A19.C2.o1.gp	Method	AAT/GAP
Start	3944	End	4575
GI	65698_1.R1084	Score	735
Exons	3944..4002, 4124..4253, 4357..4575		
GI Descrip.	'421980/pir||S35419 4.0e-43 transforming protein (myb3) - barley >gi_19059_emb_CAA50223_ (X70878) MybHv33 [Hordeum vulgare]'		

Seq. No.	11154	Seq. ID	OJ990520_12.9A19.C2
Gene No.	23748	Strand	-
Start	3369	End	4575
Name	OJ990520_12.9A19.C2.o1.tw	Method	TBLASTX:Wheat
Start	4120	End	4534

GI	none	Score	108
Exons	4120..4254, 4121..4255, 4202..4258, 4355..4456, 4364..4441, 4481..4534		

Seq. No.	11155	Seq. ID	OJ990520_12.9A19.C3
Gene No.	23749	Strand	+
Start	728	End	1796
Name	OJ990520_12.9A19.C3.o1.gs	Method	GENSCAN
Start	728	End	1796
GI	none	Score	.83
Exons	728..808, 1734..1796		

Seq. No.	11155	Seq. ID	OJ990520_12.9A19.C3
Gene No.	23750	Strand	-
Start	2354	End	2579
Name	OJ990520_12.9A19.C3.o2.gs	Method	GENSCAN
Start	2354	End	2579
GI	none	Score	.85
Exons	2354..2452, 2520..2579		

Seq. No.	11156	Seq. ID	OJ990520_12.9A19.C4
Gene No.	23751	Strand	+
Start	146	End	496
Name	OJ990520_12.9A19.C4.o1.gs	Method	GENSCAN
Start	146	End	496
GI	none	Score	.71
Exons	146..496		

Seq. No.	11157	Seq. ID	OJ990520_12.9A19.C5
Gene No.	23752	Strand	-
Start	1	End	1242
Name	OJ990520_12.9A19.C5.o1.np	Method	AAT/NAP
Start	1	End	1242
GI	6907089	Score	2013
Exons	1..1242		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11157	Seq. ID	OJ990520_12.9A19.C5
Gene No.	23752	Strand	-
Start	1	End	1242
Name	OJ990520_12.9A19.C5.o1.gs	Method	GENSCAN
Start	8	End	1242
GI	none	Score	.63
Exons	8..1242		

Seq. No.	11158	Seq. ID	OJ990520_12.9A19.C6
Gene No.	23753	Strand	+
Start	1	End	1019
Name	OJ990520_12.9A19.C6.o1.np	Method	AAT/NAP
Start	1	End	898
GI	5042454	Score	200
Exons	1..74, 316..483, 838..898		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11158	Seq. ID	OJ990520_12.9A19.C6
Gene No.	23753	Strand	+
Start	1	End	1019

Name	OJ990520_12.9A19.C6.o1.gs	Method	GENSCAN
Start	447	End	1019
GI	none	Score	.53
Exons	447..489, 845..1019		

Seq. No.	11159	Seq. ID	OJ990520_12.9A19.C7
Gene No.	23754	Strand	+
Start	1	End	4317
Name	OJ990520_12.9A19.C7.o1.np	Method	AAT/NAP
Start	1	End	1691
GI	6721512	Score	48
Exons	1..56, 1578..1691		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11159	Seq. ID	OJ990520_12.9A19.C7
Gene No.	23754	Strand	+
Start	1	End	4317
Name	OJ990520_12.9A19.C7.o2.np	Method	AAT/NAP
Start	1	End	4317
GI	4680186	Score	166
Exons	1..56, 2256..2412, 3010..3063, 4220..4317		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11159	Seq. ID	OJ990520_12.9A19.C7
Gene No.	23754	Strand	+
Start	1	End	4317
Name	OJ990520_12.9A19.C7.o3.np	Method	AAT/NAP
Start	3084	End	4317
GI	6907086	Score	611
Exons	3084..3859, 3920..4317		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11159	Seq. ID	OJ990520_12.9A19.C7
Gene No.	23754	Strand	+
Start	1	End	4317
Name	OJ990520_12.9A19.C7.o2.gs	Method	GENSCAN
Start	3287	End	3958
GI	none	Score	.93
Exons	3287..3958		

Seq. No.	11159	Seq. ID	OJ990520_12.9A19.C7
Gene No.	23755	Strand	-
Start	2555	End	2981
Name	OJ990520_12.9A19.C7.o1.gp	Method	AAT/GAP
Start	2555	End	2981
GI	4878407	Score	648
Exons	2555..2981		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	11160	Seq. ID	OJ990520_12.9A19.C8
Gene No.	23756	Strand	+
Start	2976	End	6826
Name	OJ990520_12.9A19.C8.o1.gs	Method	GENSCAN
Start	2976	End	6826
GI	none	Score	.92
Exons	2976..3049, 3161..3240, 3347..3508, 4326..4431, 4482..5070,		

5167..5264, 5354..5599, 5702..5816, 5927..6140, 6237..6826

Seq. No.	11160	Seq. ID	OJ990520_12.9A19.C8
Gene No.	23756	Strand	+
Start	2976	End	6826
Name	OJ990520_12.9A19.C8.o1.np	Method	AAT/NAP
Start	3347	End	6814
GI	4218991	Score	1289
Exons	3347..3508, 4326..4431, 4521..5046, 5152..5264, 5354..5599, 5702..5816, 5927..6140, 6237..6814		
GI Descrip.	(AF098632) subtilisin-like protease [Arabidopsis thaliana]		

Seq. No.	11160	Seq. ID	OJ990520_12.9A19.C8
Gene No.	23756	Strand	+
Start	2976	End	6826
Name	OJ990520_12.9A19.C8.o1.tc	Method	TBLASTX:Cress
Start	3352	End	6754
GI	none	Score	67
Exons	3352..3441, 4325..4366, 4370..4417, 4585..5043, 4614..4808, 4872..5042, 5369..5551, 5370..5552, 5703..5816, 5738..5815, 5917..6138, 5918..6139, 6274..6396, 6278..6409, 6494..6520, 6587..6754		

Seq. No.	11160	Seq. ID	OJ990520_12.9A19.C8
Gene No.	23756	Strand	+
Start	2976	End	6826
Name	OJ990520_12.9A19.C8.o2.ts	Method	TBLASTX:Soybean
Start	4324	End	4848
GI	none	Score	54
Exons	4324..4362, 4325..4363, 4370..4432, 4372..4437, 4522..4557, 4612..4761, 4614..4727, 4693..4848		

Seq. No.	11160	Seq. ID	OJ990520_12.9A19.C8
Gene No.	23756	Strand	+
Start	2976	End	6826
Name	OJ990520_12.9A19.C8.o1.tw	Method	TBLASTX:Wheat
Start	4601	End	5043
GI	none	Score	34
Exons	4601..4642, 4765..4848, 4767..4808, 4831..5043, 4872..5042		

Seq. No.	11160	Seq. ID	OJ990520_12.9A19.C8
Gene No.	23756	Strand	+
Start	2976	End	6826
Name	OJ990520_12.9A19.C8.o1.tm	Method	TBLASTX:Maize
Start	4768	End	6754
GI	none	Score	235
Exons	4768..5004, 4770..5003, 4996..5043, 5003..5026, 5370..5585, 5688..5816, 5738..5815, 5914..6138, 5918..6139, 6001..6141, 6110..6142, 6271..6408, 6278..6394, 6479..6517, 6529..6633, 6530..6607, 6674..6754		

Seq. No.	11160	Seq. ID	OJ990520_12.9A19.C8
Gene No.	23756	Strand	+
Start	2976	End	6826
Name	OJ990520_12.9A19.C8.o1.ts	Method	TBLASTX:Soybean
Start	4849	End	6810
GI	none	Score	192

Exons	4849..5043, 4872..5042, 5372..5542, 5373..5597, 5694..5816, 5918..6037, 6037..6138, 6038..6139, 6233..6400, 6262..6393, 6488..6511, 6535..6639, 6536..6688, 6629..6688, 6728..6754, 6773..6805, 6778..6810		
Seq. No.	11161	Seq. ID	OJ990520_12.9A19.C9
Gene No.	23757	Strand	+
Start	1	End	1134
Name	OJ990520_12.9A19.C9.o1.np	Method	AAT/NAP
Start	1	End	1134
GI	6723410	Score	153
Exons	1..210, 692..843, 967..1134		
GI Descrip.	(AL132956) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	11161	Seq. ID	OJ990520_12.9A19.C9
Gene No.	23757	Strand	+
Start	1	End	1134
Name	OJ990520_12.9A19.C9.o1.gs	Method	GENSCAN
Start	97	End	1051
GI	none	Score	.9
Exons	97..181, 741..843, 967..1051		
Seq. No.	11162	Seq. ID	OJ990520_12.9A19.C10
Gene No.	23758	Strand	-
Start	252	End	776
Name	OJ990520_12.9A19.C10.o1.gs	Method	GENSCAN
Start	252	End	719
GI	none	Score	.97
Exons	252..719		
Seq. No.	11162	Seq. ID	OJ990520_12.9A19.C10
Gene No.	23758	Strand	-
Start	252	End	776
Name	OJ990520_12.9A19.C10.o1.np	Method	AAT/NAP
Start	264	End	776
GI	4218991	Score	197
Exons	264..776		
GI Descrip.	(AF098632) subtilisin-like protease [Arabidopsis thaliana]		
Seq. No.	11162	Seq. ID	OJ990520_12.9A19.C10
Gene No.	23758	Strand	-
Start	252	End	776
Name	OJ990520_12.9A19.C10.o1.tc	Method	TBLASTX:Cress
Start	324	End	773
GI	none	Score	94
Exons	324..491, 558..584, 669..773		
Seq. No.	11163	Seq. ID	OJ990520_12.9A19.C12
Gene No.	23759	Strand	-
Start	151	End	1232
Name	OJ990520_12.9A19.C12.o1.gs	Method	GENSCAN
Start	151	End	1232
GI	none	Score	.57
Exons	151..348, 528..626, 808..973, 1156..1232		
Seq. No.	11164	Seq. ID	OJ990520_12.9A19.C14
Gene No.	23760	Strand	-

Start	189	End	251
Name	OJ990520_12.9A19.C14.o1.gs	Method	GENSCAN
Start	189	End	251
GI	none	Score	.87
Exons	189..251		

Seq. No.	11165	Seq. ID	OJ990520_12.9A19.C15
Gene No.	23761	Strand	-
Start	1	End	4511
Name	OJ990520_12.9A19.C15.o1.np	Method	AAT/NAP
Start	1	End	625
GI	231984	Score	829
Exons	1..92, 170..625		
GI Descrip.	DEHYDRIN RAB25 gi|100709|pir||S19132 rab25 protein - rice gi|20320|emb|CAA40604| (X57327) rab25 product [Oryza sativa]		

Seq. No.	11165	Seq. ID	OJ990520_12.9A19.C15
Gene No.	23761	Strand	-
Start	1	End	4511
Name	OJ990520_12.9A19.C15.o1.gp	Method	AAT/GAP
Start	43	End	710
GI	304_1.R1084	Score	1116
Exons	43..92, 170..710		
GI Descrip.	'231984/sp|P30287|DH25_ORYSA 1.0e-64 DEHYDRIN RAB25 >gi_100709_pir__S19132 rab25 protein - rice >gi_20320_emb_CAA40604_ (X57327) rab25 product [Oryza sativa]'		

Seq. No.	11165	Seq. ID	OJ990520_12.9A19.C15
Gene No.	23761	Strand	-
Start	1	End	4511
Name	OJ990520_12.9A19.C15.o1.gs	Method	GENSCAN
Start	134	End	4483
GI	none	Score	.64
Exons	134..919, 980..1024, 1846..1926, 2052..2221, 2342..2500, 2692..2821, 2960..3122, 3330..3412, 4207..4266, 4397..4483		

Seq. No.	11165	Seq. ID	OJ990520_12.9A19.C15
Gene No.	23761	Strand	-
Start	1	End	4511
Name	OJ990520_12.9A19.C15.o2.tm	Method	TBLASTX:Maize
Start	512	End	608
GI	none	Score	181
Exons	512..607, 513..608		

Seq. No.	11165	Seq. ID	OJ990520_12.9A19.C15
Gene No.	23761	Strand	-
Start	1	End	4511
Name	OJ990520_12.9A19.C15.o1.tm	Method	TBLASTX:Maize
Start	1237	End	4282
GI	none	Score	67
Exons	1237..1284, 1846..1926, 1847..1927, 2041..2124, 2049..2171, 2052..2171, 2127..2222, 2174..2233, 2340..2504, 2341..2502, 2686..2823, 2693..2827, 2699..2785, 2748..2822, 2956..3009, 2960..3145, 2960..3124, 3046..3138, 3329..3415, 3334..3423, 3346..3414, 4202..4282, 4207..4278		

Seq. No.	11165	Seq. ID	OJ990520_12.9A19.C15

Gene No.	23761	Strand	-
Start	1	End	4511
Name	OJ990520_12.9A19.C15.o1.ts	Method	TBLASTX:Soybean
Start	1846	End	4487
GI	none	Score	93
Exons	1846..1926, 1847..1936, 2049..2177, 2181..2222, 2337..2486, 2340..2504, 2341..2496, 2675..2827, 3038..3115, 3335..3409, 4204..4275, 4220..4258, 4374..4487, 4376..4483		

Seq. No.	11165	Seq. ID	OJ990520_12.9A19.C15
Gene No.	23761	Strand	-
Start	1	End	4511
Name	OJ990520_12.9A19.C15.o2.np	Method	AAT/NAP
Start	1846	End	4511
GI	4680190	Score	841
Exons	1846..1926, 2052..2221, 2429..2500, 2692..2821, 2960..3158, 3330..3412, 4207..4266, 4397..4511		
GI Descrip.	(AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	11165	Seq. ID	OJ990520_12.9A19.C15
Gene No.	23761	Strand	-
Start	1	End	4511
Name	OJ990520_12.9A19.C15.o1.tw	Method	TBLASTX:Wheat
Start	1864	End	2503
GI	none	Score	65
Exons	1864..1926, 1865..1927, 2041..2124, 2049..2177, 2050..2196, 2052..2177, 2174..2227, 2175..2222, 2340..2501, 2341..2502, 2350..2502, 2378..2503		

Seq. No.	11165	Seq. ID	OJ990520_12.9A19.C15
Gene No.	23761	Strand	-
Start	1	End	4511
Name	OJ990520_12.9A19.C15.o1.tc	Method	TBLASTX:Cress
Start	2049	End	3124
GI	none	Score	62
Exons	2049..2183, 2079..2141, 2340..2504, 2341..2502, 2693..2827, 2990..3124, 3026..3115		

Seq. No.	11166	Seq. ID	OJ990520_12.9A19.C16
Gene No.	23762	Strand	-
Start	1	End	7557
Name	OJ990520_12.9A19.C16.o1.np	Method	AAT/NAP
Start	1	End	7557
GI	6553921	Score	767
Exons	1..288, 432..1115, 1242..1288, 1403..1468, 1548..1640, 2191..2367, 4562..4643, 4866..5099, 6550..6646, 6797..6866, 7398..7557		
GI Descrip.	(AC012329) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11166	Seq. ID	OJ990520_12.9A19.C16
Gene No.	23762	Strand	-
Start	1	End	7557
Name	OJ990520_12.9A19.C16.o1.gp	Method	AAT/GAP
Start	1	End	240
GI	LIB3434-056-P1-K1-H9	Score	453
Exons	1..240		

GI Descrip. '5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'

Seq. No.	11166	Seq. ID	OJ990520_12.9A19.C16
Gene No.	23762	Strand	-
Start	1	End	7557
Name	OJ990520_12.9A19.C16.o1.gs	Method	GENSCAN
Start	14	End	7482
GI	none	Score	.81
Exons	14..288, 435..1159, 1242..1288, 3605..3713, 4562..4643, 4866..5302, 5497..5758, 6550..6653, 6783..6866, 7398..7482		

Seq. No.	11166	Seq. ID	OJ990520_12.9A19.C16
Gene No.	23762	Strand	-
Start	1	End	7557
Name	OJ990520_12.9A19.C16.o2.tm	Method	TBLASTX:Maize
Start	33	End	628
GI	none	Score	111
Exons	33..167, 34..147, 41..160, 42..167, 198..269, 202..270, 433..546, 433..582, 434..625, 434..628		

Seq. No.	11166	Seq. ID	OJ990520_12.9A19.C16
Gene No.	23762	Strand	-
Start	1	End	7557
Name	OJ990520_12.9A19.C16.o4.tm	Method	TBLASTX:Maize
Start	692	End	905
GI	none	Score	97
Exons	692..787, 693..779, 785..901, 795..905		

Seq. No.	11166	Seq. ID	OJ990520_12.9A19.C16
Gene No.	23762	Strand	-
Start	1	End	7557
Name	OJ990520_12.9A19.C16.o5.tm	Method	TBLASTX:Maize
Start	1082	End	1610
GI	none	Score	57
Exons	1082..1117, 1083..1115, 1241..1288, 1242..1289, 1400..1480, 1401..1487, 1542..1610		

Seq. No.	11166	Seq. ID	OJ990520_12.9A19.C16
Gene No.	23762	Strand	-
Start	1	End	7557
Name	OJ990520_12.9A19.C16.o3.tm	Method	TBLASTX:Maize
Start	2059	End	2359
GI	none	Score	67
Exons	2059..2121, 2060..2125, 2188..2358, 2188..2358, 2189..2359		

Seq. No.	11166	Seq. ID	OJ990520_12.9A19.C16
Gene No.	23762	Strand	-
Start	1	End	7557
Name	OJ990520_12.9A19.C16.o1.tm	Method	TBLASTX:Maize
Start	4559	End	5760
GI	none	Score	71
Exons	4559..4645, 4562..4639, 4866..5306, 4867..5247, 4868..5269, 5650..5760		

Seq. No.	11167	Seq. ID	OJ990520_12.9A19.C17
Gene No.	23763	Strand	-

Start	1	End	1076
Name	OJ990520_12.9A19.C17.o1.np	Method	AAT/NAP
Start	1	End	1076
GI	6553921	Score	135
Exons	1..75, 556..640, 764..874, 1032..1076		
GI Descrip.	(AC012329) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11167	Seq. ID	OJ990520_12.9A19.C17
Gene No.	23763	Strand	-
Start	1	End	1076
Name	OJ990520_12.9A19.C17.o1.gs	Method	GENSCAN
Start	556	End	846
GI	none	Score	.66
Exons	556..640, 764..846		

Seq. No.	11168	Seq. ID	OJ990520_12.9A19.C18
Gene No.	23764	Strand	-
Start	1	End	652
Name	OJ990520_12.9A19.C18.o1.np	Method	AAT/NAP
Start	1	End	652
GI	4680179	Score	1012
Exons	1..652		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11168	Seq. ID	OJ990520_12.9A19.C18
Gene No.	23764	Strand	-
Start	1	End	652
Name	OJ990520_12.9A19.C18.o1.tw	Method	TBLASTX:Wheat
Start	294	End	648
GI	none	Score	81
Exons	294..647, 508..648		

Seq. No.	11168	Seq. ID	OJ990520_12.9A19.C18
Gene No.	23764	Strand	-
Start	1	End	652
Name	OJ990520_12.9A19.C18.o1.tm	Method	TBLASTX:Maize
Start	381	End	650
GI	none	Score	66
Exons	381..650, 556..648		

Seq. No.	11169	Seq. ID	OJ990520_12.9A19.C19
Gene No.	23765	Strand	-
Start	1	End	629
Name	OJ990520_12.9A19.C19.o1.np	Method	AAT/NAP
Start	1	End	629
GI	4680179	Score	1052
Exons	1..629		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11169	Seq. ID	OJ990520_12.9A19.C19
Gene No.	23765	Strand	-
Start	1	End	629
Name	OJ990520_12.9A19.C19.o1.tw	Method	TBLASTX:Wheat
Start	12	End	388
GI	none	Score	74
Exons	12..158, 12..371, 13..246, 271..375, 272..388		

Seq. No.	11169	Seq. ID	OJ990520_12.9A19.C19
Gene No.	23765	Strand	-
Start	1	End	629
Name	OJ990520_12.9A19.C19.o1.gs	Method	GENSCAN
Start	164	End	629
GI	none	Score	.68
Exons	164..629		

Seq. No.	11170	Seq. ID	OJ990520_12.9A19.C20
Gene No.	23766	Strand	+
Start	18	End	500
Name	OJ990520_12.9A19.C20.o1.gs	Method	GENSCAN
Start	18	End	500
GI	none	Score	.85
Exons	18..500		

Seq. No.	11171	Seq. ID	OJ990520_12.9A19.C21
Gene No.	23767	Strand	-
Start	11	End	592
Name	OJ990520_12.9A19.C21.o1.gs	Method	GENSCAN
Start	11	End	592
GI	none	Score	.52
Exons	11..592		

Seq. No.	11172	Seq. ID	OJ990520_12.9A19.C23
Gene No.	23768	Strand	-
Start	392	End	468
Name	OJ990520_12.9A19.C23.o1.gs	Method	GENSCAN
Start	392	End	468
GI	none	Score	.49
Exons	392..468		

Seq. No.	11173	Seq. ID	OJ990520_12.9A19.C25
Gene No.	23769	Strand	+
Start	1	End	486
Name	OJ990520_12.9A19.C25.o1.gp	Method	AAT/GAP
Start	1	End	486
GI	304_1.R1084	Score	820
Exons	1..486		
GI Descrip.	'231984/sp|P30287|DH25_ORYSA 1.0e-64 DEHYDRIN RAB25 >gi_100709_pir__S19132 rab25 protein - rice >gi_20320_emb_CAA40604_ (X57327) rab25 product [Oryza sativa]'		

Seq. No.	11173	Seq. ID	OJ990520_12.9A19.C25
Gene No.	23769	Strand	+
Start	1	End	486
Name	OJ990520_12.9A19.C25.o1.np	Method	AAT/NAP
Start	1	End	271
GI	231984	Score	385
Exons	1..271		
GI Descrip.	DEHYDRIN RAB25 gi|100709|pir||S19132 rab25 protein - rice gi|20320|emb|CAA40604| (X57327) rab25 product [Oryza sativa]		

Seq. No.	11173	Seq. ID	OJ990520_12.9A19.C25
Gene No.	23769	Strand	+
Start	1	End	486
Name	OJ990520_12.9A19.C25.o1.gs	Method	GENSCAN

Start	44	End	274
GI	none	Score	.98
Exons	44..274		

Seq. No.	11173	Seq. ID	OJ990520_12.9A19.C25
Gene No.	23770	Strand	+
Start	654	End	2480
Name	OJ990520_12.9A19.C25.o2.gs	Method	GENSCAN
Start	654	End	2480
GI	none	Score	.67
Exons	654..786, 942..1037, 1085..1212, 2064..2480		

Seq. No.	11174	Seq. ID	OJ990520_12.9A19.C27
Gene No.	23771	Strand	-
Start	153	End	2201
Name	OJ990520_12.9A19.C27.o1.gs	Method	GENSCAN
Start	153	End	2196
GI	none	Score	.69
Exons	153..350, 491..678, 809..911, 1147..1233, 1777..2196		

Seq. No.	11174	Seq. ID	OJ990520_12.9A19.C27
Gene No.	23771	Strand	-
Start	153	End	2201
Name	OJ990520_12.9A19.C27.o1.np	Method	AAT/NAP
Start	1264	End	2201
GI	6907106	Score	370
Exons	1264..1431, 1506..1738, 1823..2201		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11174	Seq. ID	OJ990520_12.9A19.C27
Gene No.	23771	Strand	-
Start	153	End	2201
Name	OJ990520_12.9A19.C27.o1.tm	Method	TBLASTX:Maize
Start	1357	End	1723
GI	none	Score	65
Exons	1357..1401, 1358..1405, 1365..1445, 1488..1700, 1493..1699, 1514..1723		

Seq. No.	11175	Seq. ID	OJ990520_12.9A19.C28
Gene No.	23772	Strand	+
Start	999	End	2450
Name	OJ990520_12.9A19.C28.o1.np	Method	AAT/NAP
Start	999	End	2450
GI	3643598	Score	373
Exons	999..1444, 2325..2450		
GI Descrip.	(AC005395) putative poly(A) polymerase [Arabidopsis thaliana]		

Seq. No.	11175	Seq. ID	OJ990520_12.9A19.C28
Gene No.	23772	Strand	+
Start	999	End	2450
Name	OJ990520_12.9A19.C28.o1.gp	Method	AAT/GAP
Start	1723	End	2180
GI	none	Score	848
Exons	1723..2180		

Seq. No.	11175	Seq. ID	OJ990520_12.9A19.C28

Gene No.	23773	Strand	-
Start	1744	End	2139
Name	OJ990520_12.9A19.C28.o1.ts	Method	TBLASTX:Soybean
Start	1009	End	1430
GI	none	Score	53
Exons	1009..1065, 1125..1343, 1129..1335, 1329..1430, 1329..1406		

Seq. No.	11175	Seq. ID	OJ990520_12.9A19.C28
Gene No.	23773	Strand	-
Start	1744	End	2139
Name	OJ990520_12.9A19.C28.o1.tm	Method	TBLASTX:Maize
Start	1125	End	1509
GI	none	Score	277
Exons	1125..1343, 1129..1335, 1150..1344, 1328..1417, 1329..1430, 1456..1509		

Seq. No.	11175	Seq. ID	OJ990520_12.9A19.C28
Gene No.	23773	Strand	-
Start	1744	End	2139
Name	OJ990520_12.9A19.C28.o1.tc	Method	TBLASTX:Cress
Start	1207	End	1509
GI	none	Score	200
Exons	1207..1335, 1209..1343, 1328..1414, 1329..1430, 1456..1509		

Seq. No.	11175	Seq. ID	OJ990520_12.9A19.C28
Gene No.	23773	Strand	-
Start	1744	End	2139
Name	OJ990520_12.9A19.C28.o1.tw	Method	TBLASTX:Wheat
Start	1266	End	1503
GI	none	Score	105
Exons	1266..1343, 1267..1335, 1329..1430, 1456..1503		

Seq. No.	11175	Seq. ID	OJ990520_12.9A19.C28
Gene No.	23773	Strand	-
Start	1744	End	2139
Name	OJ990520_12.9A19.C28.o2.gs	Method	GENSCAN
Start	1744	End	2139
GI	none	Score	.48
Exons	1744..2139		

Seq. No.	11176	Seq. ID	OJ990520_12.9A19.C30
Gene No.	23774	Strand	+
Start	473	End	1938
Name	OJ990520_12.9A19.C30.o1.gs	Method	GENSCAN
Start	473	End	1938
GI	none	Score	.54
Exons	473..605, 1203..1320, 1351..1458, 1704..1764, 1819..1938		

Seq. No.	11177	Seq. ID	OJ990520_12.9A19.C31
Gene No.	23775	Strand	-
Start	1833	End	2644
Name	OJ990520_12.9A19.C31.o1.np	Method	AAT/NAP
Start	1833	End	2644
GI	5852093	Score	58
Exons	1833..1946, 2571..2644		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	11177	Seq. ID	OJ990520_12.9A19.C31
Gene No.	23775	Strand	-
Start	1833	End	2644
Name	OJ990520_12.9A19.C31.o1.gp	Method	AAT/GAP
Start	2307	End	2421
GI	5004566	Score	149
Exons	2307..2421		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	11178	Seq. ID	OJ990520_12.9A19.C32
Gene No.	23776	Strand	+
Start	350	End	422
Name	OJ990520_12.9A19.C32.o1.gs	Method	GENSCAN
Start	350	End	422
GI	none	Score	.63
Exons	350..422		

Seq. No.	11179	Seq. ID	OJ990520_12.9A19.C34
Gene No.	23777	Strand	+
Start	1	End	798
Name	OJ990520_12.9A19.C34.o1.np	Method	AAT/NAP
Start	1	End	780
GI	6553921	Score	244
Exons	1..255, 399..780		
GI Descrip.	(AC012329) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11179	Seq. ID	OJ990520_12.9A19.C34
Gene No.	23777	Strand	+
Start	1	End	798
Name	OJ990520_12.9A19.C34.o1.tm	Method	TBLASTX:Maize
Start	68	End	765
GI	none	Score	186
Exons	68..253, 70..252, 104..253, 105..254, 141..254, 417..485, 418..489, 520..654, 520..645, 527..646, 540..716, 670..765, 681..761		

Seq. No.	11179	Seq. ID	OJ990520_12.9A19.C34
Gene No.	23777	Strand	+
Start	1	End	798
Name	OJ990520_12.9A19.C34.o1.gs	Method	GENSCAN
Start	108	End	673
GI	none	Score	.87
Exons	108..252, 399..673		

Seq. No.	11179	Seq. ID	OJ990520_12.9A19.C34
Gene No.	23777	Strand	+
Start	1	End	798
Name	OJ990520_12.9A19.C34.o1.gp	Method	AAT/GAP
Start	447	End	798
GI	LIB3434-056-P1-K1-H9	Score	681
Exons	447..798		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	11180	Seq. ID	OJ990520_12.9A19.C35
Gene No.	23778	Strand	+

Start	221	End	685
Name	OJ990520_12.9A19.C35.o1.gs	Method	GENSCAN
Start	221	End	616
GI	none	Score	.89
Exons	221..338, 546..616		

Seq. No.	11180	Seq. ID	OJ990520_12.9A19.C35
Gene No.	23778	Strand	+
Start	221	End	685
Name	OJ990520_12.9A19.C35.o1.np	Method	AAT/NAP
Start	256	End	685
GI	4680190	Score	256
Exons	256..338, 510..685		
GI Descrip.	(AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	11181	Seq. ID	OJ990520_12.9A19.C36
Gene No.	23779	Strand	+
Start	1	End	1168
Name	OJ990520_12.9A19.C36.o1.np	Method	AAT/NAP
Start	1	End	1168
GI	5042454	Score	1653
Exons	1..1168		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11181	Seq. ID	OJ990520_12.9A19.C36
Gene No.	23779	Strand	+
Start	1	End	1168
Name	OJ990520_12.9A19.C36.o1.tw	Method	TBLASTX:Wheat
Start	515	End	904
GI	none	Score	54
Exons	515..559, 566..664, 583..618, 647..904, 664..870		

Seq. No.	11181	Seq. ID	OJ990520_12.9A19.C36
Gene No.	23779	Strand	+
Start	1	End	1168
Name	OJ990520_12.9A19.C36.o1.tm	Method	TBLASTX:Maize
Start	518	End	802
GI	none	Score	195
Exons	518..790, 554..802, 670..801		

Seq. No.	11182	Seq. ID	OJ990520_12.9A19.C37
Gene No.	23780	Strand	+
Start	1	End	1945
Name	OJ990520_12.9A19.C37.o1.np	Method	AAT/NAP
Start	1	End	1945
GI	6498441	Score	1779
Exons	1..97, 338..801, 865..1238, 1422..1554, 1729..1945		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11182	Seq. ID	OJ990520_12.9A19.C37
Gene No.	23780	Strand	+
Start	1	End	1945
Name	OJ990520_12.9A19.C37.o3.tw	Method	TBLASTX:Wheat
Start	222	End	708

GI	none	Score	403
Exons	222..395, 223..708, 417..677		

Seq. No.	11182	Seq. ID	OJ990520_12.9A19.C37
Gene No.	23780	Strand	+
Start	1	End	1945
Name	OJ990520_12.9A19.C37.o1.gs	Method	GENSCAN
Start	274	End	1909
GI	none	Score	.44
Exons	274..801, 865..1238, 1483..1909		

Seq. No.	11182	Seq. ID	OJ990520_12.9A19.C37
Gene No.	23780	Strand	+
Start	1	End	1945
Name	OJ990520_12.9A19.C37.o1.tw	Method	TBLASTX:Wheat
Start	872	End	1335
GI	none	Score	221
Exons	872..1315, 873..1328, 874..1335, 874..1329		

Seq. No.	11182	Seq. ID	OJ990520_12.9A19.C37
Gene No.	23780	Strand	+
Start	1	End	1945
Name	OJ990520_12.9A19.C37.o2.ts	Method	TBLASTX:Soybean
Start	913	End	1278
GI	none	Score	118
Exons	913..1137, 1144..1278		

Seq. No.	11182	Seq. ID	OJ990520_12.9A19.C37
Gene No.	23780	Strand	+
Start	1	End	1945
Name	OJ990520_12.9A19.C37.o1.tm	Method	TBLASTX:Maize
Start	1003	End	1359
GI	none	Score	383
Exons	1003..1359, 1038..1349, 1243..1359		

Seq. No.	11182	Seq. ID	OJ990520_12.9A19.C37
Gene No.	23780	Strand	+
Start	1	End	1945
Name	OJ990520_12.9A19.C37.o2.tm	Method	TBLASTX:Maize
Start	1387	End	1768
GI	none	Score	90
Exons	1387..1485, 1421..1486, 1493..1768, 1495..1749		

Seq. No.	11182	Seq. ID	OJ990520_12.9A19.C37
Gene No.	23780	Strand	+
Start	1	End	1945
Name	OJ990520_12.9A19.C37.o2.tw	Method	TBLASTX:Wheat
Start	1443	End	1861
GI	none	Score	58
Exons	1443..1490, 1444..1494, 1478..1720, 1495..1836, 1496..1861		

Seq. No.	11182	Seq. ID	OJ990520_12.9A19.C37
Gene No.	23780	Strand	+
Start	1	End	1945
Name	OJ990520_12.9A19.C37.o1.ts	Method	TBLASTX:Soybean
Start	1520	End	1891
GI	none	Score	279

Exons	1520..1891, 1537..1680		
Seq. No.	11183	Seq. ID	OJ990520_12.9A19.C39
Gene No.	23781	Strand	
Start	68	End	347
Name	OJ990520_12.9A19.C39.o1.tm	Method	TBLASTX:Maize
Start	68	End	347
GI	none	Score	166
Exons	68..181, 69..173, 166..255, 167..268, 294..347		
Seq. No.	11183	Seq. ID	OJ990520_12.9A19.C39
Gene No.	23781	Strand	
Start	68	End	347
Name	OJ990520_12.9A19.C39.o1.tc	Method	TBLASTX:Cress
Start	68	End	347
GI	none	Score	166
Exons	68..181, 69..173, 166..252, 167..268, 294..347		
Seq. No.	11183	Seq. ID	OJ990520_12.9A19.C39
Gene No.	23781	Strand	
Start	68	End	347
Name	OJ990520_12.9A19.C39.o1.ts	Method	TBLASTX:Soybean
Start	68	End	268
GI	none	Score	165
Exons	68..181, 69..173, 167..268, 167..244		
Seq. No.	11183	Seq. ID	OJ990520_12.9A19.C39
Gene No.	23781	Strand	
Start	68	End	347
Name	OJ990520_12.9A19.C39.o1.tw	Method	TBLASTX:Wheat
Start	104	End	341
GI	none	Score	105
Exons	104..181, 105..173, 167..268, 294..341		
Seq. No.	11184	Seq. ID	OJ990520_12.9A19.C40
Gene No.	23782	Strand	+
Start	44	End	719
Name	OJ990520_12.9A19.C40.o1.tm	Method	TBLASTX:Maize
Start	42	End	719
GI	none	Score	88
Exons	42..152, 86..151, 496..717, 525..719, 533..718		
Seq. No.	11184	Seq. ID	OJ990520_12.9A19.C40
Gene No.	23782	Strand	+
Start	44	End	719
Name	OJ990520_12.9A19.C40.o1.gs	Method	GENSCAN
Start	44	End	652
GI	none	Score	.72
Exons	44..305, 500..652		
Seq. No.	11185	Seq. ID	OJ990520_12.9A19.C41
Gene No.	23783	Strand	+
Start	1	End	1189
Name	OJ990520_12.9A19.C41.o1.np	Method	AAT/NAP
Start	1	End	1189
GI	6907089	Score	1114
Exons	1..1189		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	11185	Seq. ID	OJ990520_12.9A19.C41
Gene No.	23783	Strand	+
Start	1	End	1189
Name	OJ990520_12.9A19.C41.o1.gs	Method	GENSCAN
Start	85	End	1124
GI	none	Score	.51
Exons	85..238, 368..617, 686..1124		

Seq. No.	11186	Seq. ID	OJ990520_12.9A19.C42
Gene No.	23784	Strand	-
Start	532	End	1300
Name	OJ990520_12.9A19.C42.o1.np	Method	AAT/NAP
Start	502	End	1300
GI	6498441	Score	1026
Exons	502..784, 877..1300		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	11186	Seq. ID	OJ990520_12.9A19.C42
Gene No.	23784	Strand	-
Start	532	End	1300
Name	OJ990520_12.9A19.C42.o1.tw	Method	TBLASTX:Wheat
Start	511	End	1121
GI	none	Score	73
Exons	511..636, 515..637, 667..1119, 830..1087, 873..1121		

Seq. No.	11186	Seq. ID	OJ990520_12.9A19.C42
Gene No.	23784	Strand	-
Start	532	End	1300
Name	OJ990520_12.9A19.C42.o1.gs	Method	GENSCAN
Start	532	End	1201
GI	none	Score	.96
Exons	532..1201		

Seq. No.	11187	Seq. ID	OJ990520_12.9A19.C43
Gene No.	23785	Strand	-
Start	153	End	568
Name	OJ990520_12.9A19.C43.o1.gs	Method	GENSCAN
Start	153	End	568
GI	none	Score	.8
Exons	153..218, 513..568		

Seq. No.	11188	Seq. ID	OJ990520_12.9A19.C44
Gene No.	23786	Strand	+
Start	294	End	801
Name	OJ990520_12.9A19.C44.o1.gs	Method	GENSCAN
Start	294	End	801
GI	none	Score	.67
Exons	294..336, 720..801		

Seq. No.	11189	Seq. ID	OJ990520_12.9A19.C46
Gene No.	23787	Strand	-
Start	141	End	264
Name	OJ990520_12.9A19.C46.o1.gs	Method	GENSCAN

Start	141	End	264
GI	none	Score	.54
Exons	141..264		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23788	Strand	+
Start	1	End	2767
Name	OJ990520_12.9A19.C47.o1.np	Method	AAT/NAP
Start	1	End	2767
GI	6498441	Score	1659
Exons	1..1186, 1617..1697, 2617..2767		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23788	Strand	+
Start	1	End	2767
Name	OJ990520_12.9A19.C47.o1.gs	Method	GENSCAN
Start	93	End	1927
GI	none	Score	.62
Exons	93..278, 312..923, 1670..1789, 1916..1927		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23788	Strand	+
Start	1	End	2767
Name	OJ990520_12.9A19.C47.o1.gp	Method	AAT/GAP
Start	1661	End	2055
GI	uC-osf1M202084e07a1	Score	772
Exons	1661..2055		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o3.tw	Method	TBLASTX:Wheat
Start	63	End	458
GI	none	Score	145
Exons	63..428, 72..224, 166..348, 285..458		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o2.tm	Method	TBLASTX:Maize
Start	732	End	1093
GI	none	Score	300
Exons	732..1025, 761..1024, 1013..1039, 1040..1093		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o2.tw	Method	TBLASTX:Wheat
Start	735	End	1125
GI	none	Score	262
Exons	735..1025, 756..950, 758..1024, 1016..1123, 1069..1125		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o2.np	Method	AAT/NAP
Start	1797	End	6279
GI	4914429	Score	1136
Exons	1797..1822, 2335..2416, 2678..2877, 2926..3062, 3478..3607, 3819..3945, 4028..4129, 4237..4414, 4543..4644, 4791..4868, 4947..5213, 5304..5403, 5528..5822, 6246..6279		
GI Descrip.	(AL050351) SEC14-like protein [Arabidopsis thaliana]		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o2.gs	Method	GENSCAN
Start	2254	End	6713
GI	none	Score	.78
Exons	2254..2265, 2342..2416, 2678..2844, 2999..3078, 4304..4336, 4413..4462, 4543..4707, 4791..4868, 4947..5213, 5307..5403, 5528..5828, 6593..6713		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o1.tm	Method	TBLASTX:Maize
Start	2342	End	5825
GI	none	Score	118
Exons	2342..2428, 2672..2869, 2679..2858, 2855..3076, 2937..3077, 3492..3569, 3584..3631, 3833..3943, 3837..3944, 3848..3943, 4031..4132, 4044..4130, 4049..4150, 4237..4305, 4238..4306, 4294..4335, 4295..4360, 4415..4462, 4416..4463, 4535..4645, 4540..4647, 4541..4645, 4543..4647, 4791..4868, 4791..4868, 4792..4869, 4909..5214, 4947..5216, 4947..5237, 5304..5405, 5305..5412, 5307..5405, 5523..5636, 5526..5585, 5527..5637, 5527..5643, 5676..5819, 5677..5820, 5695..5820, 5757..5825		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o1.ts	Method	TBLASTX:Soybean
Start	2342	End	5643
GI	none	Score	82
Exons	2342..2422, 2672..3040, 2679..2864, 4234..4338, 4237..4338, 4244..4360, 4418..4462, 4535..4645, 4540..4647, 4541..4627, 4791..4868, 4945..5142, 4946..5143, 4947..5150, 4947..5153, 4948..5151, 5136..5222, 5310..5405, 5311..5412, 5525..5635, 5527..5643		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o2.tc	Method	TBLASTX:Cress
Start	4234	End	4647
GI	none	Score	115
Exons	4234..4338, 4238..4360, 4418..4462, 4540..4647		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47

Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o1.tw	Method	TBLASTX:Wheat
Start	4413	End	5192
GI	none	Score	85
Exons	4413..4469, 4414..4458, 4415..4462, 4535..4645, 4540..4647, 4541..4645, 4791..4868, 4791..4868, 4792..4869, 4909..5178, 4947..5192, 4948..5178		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o1.tc	Method	TBLASTX:Cress
Start	4977	End	5339
GI	none	Score	180
Exons	4977..5213, 4978..5187, 4996..5214, 5102..5218, 5310..5339		

Seq. No.	11190	Seq. ID	OJ990520_12.9A19.C47
Gene No.	23789	Strand	-
Start	1797	End	6713
Name	OJ990520_12.9A19.C47.o2.gp	Method	AAT/GAP
Start	5548	End	6456
GI	uC-osflcyp120f02b1	Score	878
Exons	5548..5831, 6268..6456		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11191	Seq. ID	OJ990520_12.9A19.C48
Gene No.	23790	Strand	-
Start	124	End	2769
Name	OJ990520_12.9A19.C48.o1.gp	Method	AAT/GAP
Start	124	End	2633
GI	12651_2.R1084	Score	1254
Exons	124..357, 472..530, 793..884, 969..1084, 1524..1598, 1925..1990, 2285..2341, 2460..2509, 2597..2633		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	11191	Seq. ID	OJ990520_12.9A19.C48
Gene No.	23790	Strand	-
Start	124	End	2769
Name	OJ990520_12.9A19.C48.o1.tm	Method	TBLASTX:Maize
Start	471	End	2769
GI	none	Score	62
Exons	471..530, 475..534, 479..532, 788..886, 788..886, 963..1085, 964..1086, 965..1087, 968..1084, 1510..1596, 1515..1601, 1522..1596, 1524..1601, 1922..1990, 1923..1991, 1924..1992, 1924..1992, 1925..1993, 2276..2341, 2279..2341, 2452..2508, 2454..2510, 2457..2510, 2591..2731, 2596..2745, 2598..2744, 2742..2768, 2743..2769		

Seq. No.	11191	Seq. ID	OJ990520_12.9A19.C48
Gene No.	23790	Strand	-
Start	124	End	2769
Name	OJ990520_12.9A19.C48.o1.ts	Method	TBLASTX:Soybean
Start	785	End	2712
GI	none	Score	84

Exons	785..886, 794..886, 1028..1084, 1515..1601, 1522..1596, 1922..1990, 2282..2338, 2454..2510, 2598..2711, 2599..2712		
Seq. No.	11191	Seq. ID	OJ990520_12.9A19.C48
Gene No.	23790	Strand	-
Start	124	End	2769
Name	OJ990520_12.9A19.C48.o1.gs	Method	GENSCAN
Start	793	End	2767
GI	none	Score	.95
Exons	793..884, 969..1084, 1524..1598, 1925..1990, 2285..2341, 2460..2509, 2597..2767		
Seq. No.	11192	Seq. ID	OJ990520_12.9A19.C49
Gene No.	23791	Strand	-
Start	422	End	3536
Name	OJ990520_12.9A19.C49.o1.gs	Method	GENSCAN
Start	422	End	3536
GI	none	Score	.84
Exons	422..907, 936..978, 2627..2653, 3113..3253, 3489..3536		
Seq. No.	11193	Seq. ID	OJ990520_12.9A19.C50
Gene No.	23792	Strand	-
Start	843	End	964
Name	OJ990520_12.9A19.C50.o1.gs	Method	GENSCAN
Start	843	End	964
GI	none	Score	.97
Exons	843..964		
Seq. No.	11194	Seq. ID	OJ990520_12.9A19.C51
Gene No.	23793	Strand	-
Start	162	End	451
Name	OJ990520_12.9A19.C51.o1.gs	Method	GENSCAN
Start	162	End	451
GI	none	Score	.92
Exons	162..246, 335..451		
Seq. No.	11194	Seq. ID	OJ990520_12.9A19.C51
Gene No.	23793	Strand	-
Start	162	End	451
Name	OJ990520_12.9A19.C51.o1.np	Method	AAT/NAP
Start	162	End	451
GI	6553921	Score	142
Exons	162..246, 335..451		
GI Descrip.	(AC012329) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	11195	Seq. ID	OJ990520_12.9A19.C54
Gene No.	23794	Strand	+
Start	1	End	771
Name	OJ990520_12.9A19.C54.o1.np	Method	AAT/NAP
Start	1	End	771
GI	6723410	Score	76
Exons	1..65, 595..771		
GI Descrip.	(AL132956) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	11195	Seq. ID	OJ990520_12.9A19.C54
Gene No.	23795	Strand	-
Start	634	End	701

Name	OJ990520_12.9A19.C54.o1.gs	Method	GENSCAN
Start	634	End	701
GI	none	Score	.97
Exons	634..701		

Seq. No.	11196	Seq. ID	OJ990520_12.9A19.C55
Gene No.	23796	Strand	+
Start	68	End	462
Name	OJ990520_12.9A19.C55.o1.gp	Method	AAT/GAP
Start	68	End	462
GI	uC-osflM202084e07a1	Score	772
Exons	68..462		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	11197	Seq. ID	OJ990430_11.9A14.C1
Gene No.	23797	Strand	-
Start	147	End	270
Name	OJ990430_11.9A14.C1.o1.gs	Method	GENSCAN
Start	147	End	270
GI	none	Score	.63
Exons	147..270		

Seq. No.	11197	Seq. ID	OJ990430_11.9A14.C1
Gene No.	23798	Strand	-
Start	210	End	402
Name	OJ990430_11.9A14.C1.o1.gp	Method	AAT/GAP
Start	210	End	402
GI	19260_1.R1084	Score	130
Exons	210..270, 375..402		
GI Descrip.	'3193303 5.0e-31 (AF069298) similar to several proteins containing a tandem repeat region such as Plasmodium falciparum GGM tandem repeat protein (GB:U27807); partial CDS [Arabidopsis thaliana]'		

Seq. No.	11198	Seq. ID	OJ990430_11.9A14.C2
Gene No.	23799	Strand	+
Start	359	End	455
Name	OJ990430_11.9A14.C2.o1.gp	Method	AAT/GAP
Start	359	End	455
GI	LIB3431-047-P1-K1-H7	Score	134
Exons	359..455		
GI Descrip.	'3953471 1.0e-24 (AC002328) F22O2.16 [Arabidopsis thaliana]'		

Seq. No.	11199	Seq. ID	OJ990430_11.9A14.C3
Gene No.	23800	Strand	
Start	118	End	385
Name	OJ990430_11.9A14.C3.o1.tm	Method	TBLASTX:Maize
Start	118	End	385
GI	none	Score	144
Exons	118..246, 146..283, 146..247, 335..385		

Seq. No.	11199	Seq. ID	OJ990430_11.9A14.C3
Gene No.	23800	Strand	
Start	118	End	385
Name	OJ990430_11.9A14.C3.o1.ts	Method	TBLASTX:Soybean
Start	145	End	385

GI	none	Score	108
Exons	145..246, 149..268, 338..385, 356..382		

Seq. No.	11200	Seq. ID	OJ990430_11.9A14.C6
Gene No.	23801	Strand	+
Start	62	End	301
Name	OJ990430_11.9A14.C6.o1.gp	Method	AAT/GAP
Start	62	End	301
GI	5039089	Score	414
Exons	62..301		

Seq. No.	11201	Seq. ID	OJ990430_11.9A14.C8
Gene No.	23802	Strand	-
Start	1054	End	1215
Name	OJ990430_11.9A14.C8.o2.gs	Method	GENSCAN
Start	1054	End	1215
GI	none	Score	.92
Exons	1054..1215		

Seq. No.	11202	Seq. ID	OJ990430_11.9A14.C9
Gene No.	23803	Strand	+
Start	829	End	3595
Name	OJ990430_11.9A14.C9.o4.tm	Method	TBLASTX:Maize
Start	351	End	712
GI	none	Score	112
Exons	351..569, 356..457, 360..572, 573..626, 574..627, 626..679, 674..706	361..582, 361..582, 562..642, 630..668, 673..705, 674..712,	

Seq. No.	11202	Seq. ID	OJ990430_11.9A14.C9
Gene No.	23803	Strand	+
Start	829	End	3595
Name	OJ990430_11.9A14.C9.o1.tc	Method	TBLASTX:Cress
Start	370	End	1020
GI	none	Score	145
Exons	370..597, 382..582, 573..614, 673..768, 674..757, 679..759, 955..1020, 988..1017	573..620, 626..664, 627..665, 760..792, 771..974, 815..973,	

Seq. No.	11202	Seq. ID	OJ990430_11.9A14.C9
Gene No.	23803	Strand	+
Start	829	End	3595
Name	OJ990430_11.9A14.C9.o1.ts	Method	TBLASTX:Soybean
Start	382	End	1020
GI	none	Score	135
Exons	382..597, 382..582, 562..642, 673..768, 678..755, 679..759, 988..1017	573..641, 615..665, 626..676, 771..974, 815..973, 955..1020,	

Seq. No.	11202	Seq. ID	OJ990430_11.9A14.C9
Gene No.	23803	Strand	+
Start	829	End	3595
Name	OJ990430_11.9A14.C9.o1.gs	Method	GENSCAN
Start	829	End	3412
GI	none	Score	.82
Exons	829..867, 1198..1731, 1895..2006, 2366..2466, 2581..2755, 3053..3223, 3312..3412		

Seq. No.	11202	Seq. ID	OJ990430_11.9A14.C9
Gene No.	23803	Strand	+
Start	829	End	3595
Name	OJ990430_11.9A14.C9.o3.tm	Method	TBLASTX:Maize
Start	1489	End	2009
GI	none	Score	363
Exons	1489..1734, 1489..1734, 1881..1970, 1894..1980, 1898..1975, 1930..1980, 1965..2009, 1969..2007, 1974..2009		

Seq. No.	11202	Seq. ID	OJ990430_11.9A14.C9
Gene No.	23803	Strand	+
Start	829	End	3595
Name	OJ990430_11.9A14.C9.o1.tm	Method	TBLASTX:Maize
Start	2374	End	2781
GI	none	Score	135
Exons	2374..2466, 2376..2462, 2423..2494, 2565..2780, 2584..2781		

Seq. No.	11202	Seq. ID	OJ990430_11.9A14.C9
Gene No.	23803	Strand	+
Start	829	End	3595
Name	OJ990430_11.9A14.C9.o3.ts	Method	TBLASTX:Soybean
Start	2410	End	2754
GI	none	Score	66
Exons	2410..2466, 2586..2753, 2587..2754, 2644..2754		

Seq. No.	11202	Seq. ID	OJ990430_11.9A14.C9
Gene No.	23803	Strand	+
Start	829	End	3595
Name	OJ990430_11.9A14.C9.o2.tm	Method	TBLASTX:Maize
Start	3034	End	3595
GI	none	Score	60
Exons	3034..3099, 3036..3077, 3045..3104, 3046..3108, 3047..3109, 3067..3222, 3074..3223, 3081..3221, 3083..3247, 3311..3412, 3311..3412, 3312..3413, 3313..3414, 3523..3570, 3527..3577, 3533..3595		

Seq. No.	11202	Seq. ID	OJ990430_11.9A14.C9
Gene No.	23803	Strand	+
Start	829	End	3595
Name	OJ990430_11.9A14.C9.o2.ts	Method	TBLASTX:Soybean
Start	3054	End	3583
GI	none	Score	226
Exons	3054..3218, 3055..3219, 3064..3219, 3305..3412, 3310..3414, 3310..3411, 3526..3564, 3527..3583		

Seq. No.	11202	Seq. ID	OJ990430_11.9A14.C9
Gene No.	23803	Strand	+
Start	829	End	3595
Name	OJ990430_11.9A14.C9.o2.tc	Method	TBLASTX:Cress
Start	3090	End	3594
GI	none	Score	151
Exons	3090..3218, 3091..3219, 3305..3412, 3310..3417, 3310..3411, 3526..3594, 3527..3577		

Seq. No.	11203	Seq. ID	OJ990430_11.9A14.C10
Gene No.	23804	Strand	+

Start	285	End	5639
Name	OJ990430_11.9A14.C10.o1.gs	Method	GENSCAN
Start	285	End	5639
GI	none	Score	.45
Exons	285..315, 1363..1523, 3198..3419, 3501..3588, 3845..3973, 4830..5000, 5099..5158, 5243..5404, 5578..5639		

Seq. No.	11203	Seq. ID	OJ990430_11.9A14.C10
Gene No.	23804	Strand	+
Start	285	End	5639
Name	OJ990430_11.9A14.C10.o1.gp	Method	AAT/GAP
Start	1466	End	4910
GI	31736_1.R1084	Score	1387
Exons	1466..1562, 1720..1792, 3198..3419, 3501..3588, 3678..3787, 3880..3973, 4812..4910		
GI Descrip.	'5103807/gb|AAD39637.1|AC007591_2 1.0e-85 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	11203	Seq. ID	OJ990430_11.9A14.C10
Gene No.	23804	Strand	+
Start	285	End	5639
Name	OJ990430_11.9A14.C10.o1.tm	Method	TBLASTX:Maize
Start	3176	End	5441
GI	none	Score	379
Exons	3176..3421, 3177..3422, 3204..3428, 3486..3608, 3500..3601, 3662..3787, 3673..3786, 3750..3788, 3879..3974, 3883..3972, 3894..3974, 4804..5004, 4805..4987, 4842..5003, 5097..5150, 5097..5177, 5098..5178, 5206..5412, 5222..5419, 5229..5426, 5247..5441		

Seq. No.	11203	Seq. ID	OJ990430_11.9A14.C10
Gene No.	23804	Strand	+
Start	285	End	5639
Name	OJ990430_11.9A14.C10.o1.ts	Method	TBLASTX:Soybean
Start	3192	End	3771
GI	none	Score	332
Exons	3192..3422, 3194..3418, 3195..3422, 3485..3601, 3486..3608, 3661..3771, 3662..3769, 3682..3771		

Seq. No.	11203	Seq. ID	OJ990430_11.9A14.C10
Gene No.	23804	Strand	+
Start	285	End	5639
Name	OJ990430_11.9A14.C10.o1.tc	Method	TBLASTX:Cress
Start	3203	End	3723
GI	none	Score	307
Exons	3203..3418, 3204..3422, 3485..3601, 3486..3608, 3662..3721, 3673..3723		

Seq. No.	11203	Seq. ID	OJ990430_11.9A14.C10
Gene No.	23804	Strand	+
Start	285	End	5639
Name	OJ990430_11.9A14.C10.o1.tw	Method	TBLASTX:Wheat
Start	3916	End	5142
GI	none	Score	100
Exons	3916..3972, 3918..3974, 4800..4988, 4801..4935, 4805..4987,		

4816..5004, 4839..5003, 5094..5141, 5094..5141, 5098..5142

Seq. No.	11203	Seq. ID	OJ990430_11.9A14.C10
Gene No.	23804	Strand	+
Start	285	End	5639
Name	OJ990430_11.9A14.C10.o2.ts	Method	TBLASTX:Soybean
Start	4837	End	5316
GI	none	Score	209
Exons	4837..5004, 4838..4984, 4842..5003, 5097..5177, 5098..5178, 5251..5316		

Seq. No.	11203	Seq. ID	OJ990430_11.9A14.C10
Gene No.	23804	Strand	+
Start	285	End	5639
Name	OJ990430_11.9A14.C10.o2.tc	Method	TBLASTX:Cress
Start	4856	End	5304
GI	none	Score	169
Exons	4856..4987, 4864..5004, 4869..5003, 5091..5168, 5098..5178, 5251..5304		

Seq. No.	11204	Seq. ID	OJ990430_11.9A14.C11
Gene No.	23805	Strand	+
Start	150	End	2677
Name	OJ990430_11.9A14.C11.o1.gs	Method	GENSCAN
Start	150	End	2677
GI	none	Score	.87
Exons	150..288, 1787..1905, 2584..2677		

Seq. No.	11204	Seq. ID	OJ990430_11.9A14.C11
Gene No.	23805	Strand	+
Start	150	End	2677
Name	OJ990430_11.9A14.C11.o1.ts	Method	TBLASTX:Soybean
Start	1666	End	2276
GI	none	Score	113
Exons	1666..1908, 1674..1904, 1690..1908, 1988..2113, 1996..2100, 2181..2276, 2182..2274, 2187..2276		

Seq. No.	11204	Seq. ID	OJ990430_11.9A14.C11
Gene No.	23805	Strand	+
Start	150	End	2677
Name	OJ990430_11.9A14.C11.o1.tm	Method	TBLASTX:Maize
Start	1683	End	2677
GI	none	Score	215
Exons	1683..1907, 1683..1907, 1684..1908, 1684..1914, 1988..2113, 2011..2112, 2014..2115, 2181..2291, 2182..2292, 2192..2293, 2197..2292, 2585..2677, 2596..2676		

Seq. No.	11204	Seq. ID	OJ990430_11.9A14.C11
Gene No.	23805	Strand	+
Start	150	End	2677
Name	OJ990430_11.9A14.C11.o1.tc	Method	TBLASTX:Cress
Start	1686	End	2228
GI	none	Score	286
Exons	1686..1904, 1687..1929, 1988..2113, 1996..2100, 2181..2228, 2182..2226		

Seq. No.	11205	Seq. ID	OJ990430_11.9A14.C12

Gene No.	23806	Strand	+
Start	232	End	2222
Name	OJ990430_11.9A14.C12.o1.gs	Method	GENSCAN
Start	232	End	2222
GI	none	Score	.47
Exons	232..378, 469..528, 615..783, 2009..2222		

Seq. No.	11205	Seq. ID	OJ990430_11.9A14.C12
Gene No.	23807	Strand	-
Start	2583	End	7576
Name	OJ990430_11.9A14.C12.o1.tm	Method	TBLASTX:Maize
Start	190	End	795
GI	none	Score	168
Exons	190..402, 194..382, 467..538, 468..539, 610..795, 614..784		

Seq. No.	11205	Seq. ID	OJ990430_11.9A14.C12
Gene No.	23807	Strand	-
Start	2583	End	7576
Name	OJ990430_11.9A14.C12.o1.ts	Method	TBLASTX:Soybean
Start	215	End	688
GI	none	Score	85
Exons	215..400, 216..272, 263..313, 330..401, 467..538, 468..560, 623..688		

Seq. No.	11205	Seq. ID	OJ990430_11.9A14.C12
Gene No.	23807	Strand	-
Start	2583	End	7576
Name	OJ990430_11.9A14.C12.o1.tw	Method	TBLASTX:Wheat
Start	221	End	539
GI	none	Score	63
Exons	221..379, 222..272, 261..389, 330..380, 467..538, 468..539		

Seq. No.	11205	Seq. ID	OJ990430_11.9A14.C12
Gene No.	23807	Strand	-
Start	2583	End	7576
Name	OJ990430_11.9A14.C12.o2.gs	Method	GENSCAN
Start	2583	End	7576
GI	none	Score	.53
Exons	2583..2596, 2722..2979, 4963..5008, 5409..5489, 5946..5990, 6863..6916, 7081..7164, 7457..7576		

Seq. No.	11205	Seq. ID	OJ990430_11.9A14.C12
Gene No.	23807	Strand	-
Start	2583	End	7576
Name	OJ990430_11.9A14.C12.o1.gp	Method	AAT/GAP
Start	4523	End	7551
GI	1809_1.R1084	Score	1289
Exons	4523..4869, 4963..5008, 5409..5489, 6863..6916, 7081..7164, 7457..7551		
GI Descrip.	'1001253/dbj|BAA10497| 9.0e-18 (D64003) hypothetical protein [Synechocystis sp.]'		

Seq. No.	11206	Seq. ID	OJ990430_11.9A14.C13
Gene No.	23808	Strand	-
Start	1540	End	3212
Name	OJ990430_11.9A14.C13.o1.ts	Method	TBLASTX:Soybean
Start	1519	End	1788

GI	none	Score	146
Exons	1519..1788, 1562..1786		
Seq. No.	11206	Seq. ID	OJ990430_11.9A14.C13
Gene No.	23808	Strand	-
Start	1540	End	3212
Name	OJ990430_11.9A14.C13.o1.np	Method	AAT/NAP
Start	1540	End	3212
GI	4204315	Score	191
Exons	1540..1785, 3184..3212		
GI Descrip.	(AC003027) Unknown protein [Arabidopsis thaliana]		
Seq. No.	11206	Seq. ID	OJ990430_11.9A14.C13
Gene No.	23808	Strand	-
Start	1540	End	3212
Name	OJ990430_11.9A14.C13.o1.tm	Method	TBLASTX:Maize
Start	1543	End	1737
GI	none	Score	159
Exons	1543..1737, 1558..1734, 1572..1736		
Seq. No.	11206	Seq. ID	OJ990430_11.9A14.C13
Gene No.	23808	Strand	-
Start	1540	End	3212
Name	OJ990430_11.9A14.C13.o1.tc	Method	TBLASTX:Cress
Start	1546	End	1779
GI	none	Score	71
Exons	1546..1776, 1606..1779		
Seq. No.	11207	Seq. ID	OJ990430_11.9A14.C15
Gene No.	23809	Strand	-
Start	54	End	424
Name	OJ990430_11.9A14.C15.o1.np	Method	AAT/NAP
Start	54	End	424
GI	4680183	Score	142
Exons	54..178, 400..424		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	11207	Seq. ID	OJ990430_11.9A14.C15
Gene No.	23809	Strand	-
Start	54	End	424
Name	OJ990430_11.9A14.C15.o1.gs	Method	GENSCAN
Start	98	End	275
GI	none	Score	.51
Exons	98..143, 157..275		
Seq. No.	11208	Seq. ID	OJ990430_11.9A14.C18
Gene No.	23810	Strand	-
Start	243	End	389
Name	OJ990430_11.9A14.C18.o1.gs	Method	GENSCAN
Start	243	End	389
GI	none	Score	.93
Exons	243..389		
Seq. No.	11209	Seq. ID	OJ990430_11.9A14.C20
Gene No.	23811	Strand	+
Start	1704	End	1943
Name	OJ990430_11.9A14.C20.o1.np	Method	AAT/NAP

Start	1704	End	1943
GI	6498459	Score	60
Exons	1704..1943		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	11209	Seq. ID	OJ990430_11.9A14.C20
Gene No.	23812	Strand	-
Start	1872	End	2378
Name	OJ990430_11.9A14.C20.o1.gs	Method	GENSCAN
Start	1872	End	2360
GI	none	Score	.58
Exons	1872..1959, 2044..2268, 2279..2360		

Seq. No.	11209	Seq. ID	OJ990430_11.9A14.C20
Gene No.	23812	Strand	-
Start	1872	End	2378
Name	OJ990430_11.9A14.C20.o1.gp	Method	AAT/GAP
Start	1914	End	2378
GI	2443172	Score	910
Exons	1914..2378		

Seq. No.	11210	Seq. ID	OJ990430_11.9A14.C21
Gene No.	23813	Strand	+
Start	1	End	3125
Name	OJ990430_11.9A14.C21.o1.np	Method	AAT/NAP
Start	1	End	3125
GI	6692258	Score	362
Exons	1..69, 1410..1671, 2214..2679, 2919..3125		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	11210	Seq. ID	OJ990430_11.9A14.C21
Gene No.	23813	Strand	+
Start	1	End	3125
Name	OJ990430_11.9A14.C21.o2.gs	Method	GENSCAN
Start	964	End	3049
GI	none	Score	.4
Exons	964..1811, 2270..2679, 2919..3049		

Seq. No.	11210	Seq. ID	OJ990430_11.9A14.C21
Gene No.	23814	Strand	-
Start	51	End	572
Name	OJ990430_11.9A14.C21.o1.gp	Method	AAT/GAP
Start	51	End	176
GI	2443172	Score	226
Exons	51..176		

Seq. No.	11210	Seq. ID	OJ990430_11.9A14.C21
Gene No.	23814	Strand	-
Start	51	End	572
Name	OJ990430_11.9A14.C21.o1.gs	Method	GENSCAN
Start	55	End	572
GI	none	Score	.66
Exons	55..92, 260..380, 465..572		

Seq. No.	11210	Seq. ID	OJ990430_11.9A14.C21
Gene No.	23815	Strand	
Start	1120	End	2681

Name	OJ990430_11.9A14.C21.o1.tm	Method	TBLASTX:Maize
Start	1120	End	2681
GI	none	Score	38
Exons	1120..1158, 1147..1257, 1149..1241, 1378..1455, 1528..1674, 1539..1676, 2213..2296, 2214..2294, 2424..2672, 2426..2677, 2435..2680, 2436..2681		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22
Gene No.	23816	Strand	+
Start	1	End	2788
Name	OJ990430_11.9A14.C22.o1.np	Method	AAT/NAP
Start	1	End	2788
GI	6692258	Score	487
Exons	1..129, 201..323, 429..793, 915..1207, 1296..1358, 2769..2788		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22
Gene No.	23816	Strand	+
Start	1	End	2788
Name	OJ990430_11.9A14.C22.o1.gs	Method	GENSCAN
Start	90	End	1394
GI	none	Score	.8
Exons	90..107, 206..553, 637..793, 915..1207, 1296..1394		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22
Gene No.	23817	Strand	-
Start	2269	End	2601
Name	OJ990430_11.9A14.C22.o3.ts	Method	TBLASTX:Soybean
Start	2	End	280
GI	none	Score	117
Exons	2..94, 3..107, 200..280, 211..279		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22
Gene No.	23817	Strand	-
Start	2269	End	2601
Name	OJ990430_11.9A14.C22.o1.tc	Method	TBLASTX:Cress
Start	217	End	1201
GI	none	Score	125
Exons	217..294, 218..385, 646..798, 913..1005, 914..1201, 1036..1176		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22
Gene No.	23817	Strand	-
Start	2269	End	2601
Name	OJ990430_11.9A14.C22.o1.tm	Method	TBLASTX:Maize
Start	224	End	1201
GI	none	Score	72
Exons	224..310, 694..795, 901..1173, 902..1201		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22
Gene No.	23817	Strand	-
Start	2269	End	2601
Name	OJ990430_11.9A14.C22.o1.ts	Method	TBLASTX:Soybean
Start	643	End	1201
GI	none	Score	109
Exons	643..795, 902..1201, 913..1200		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22

Gene No.	23817	Strand	-
Start	2269	End	2601
Name	OJ990430_11.9A14.C22.o1.tw	Method	TBLASTX:Wheat
Start	646	End	1084
GI	none	Score	105
Exons	646..795, 715..792, 902..1084, 910..1083		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22
Gene No.	23817	Strand	-
Start	2269	End	2601
Name	OJ990430_11.9A14.C22.o1.gp	Method	AAT/GAP
Start	1886	End	2418
GI	5039089	Score	978
Exons	1886..2418		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22
Gene No.	23817	Strand	-
Start	2269	End	2601
Name	OJ990430_11.9A14.C22.o2.gs	Method	GENSCAN
Start	2269	End	2601
GI	none	Score	.88
Exons	2269..2601		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22
Gene No.	23817	Strand	-
Start	2269	End	2601
Name	OJ990430_11.9A14.C22.o2.tm	Method	TBLASTX:Maize
Start	2333	End	2506
GI	none	Score	119
Exons	2333..2407, 2335..2409, 2408..2506, 2411..2476, 2413..2505		

Seq. No.	11211	Seq. ID	OJ990430_11.9A14.C22
Gene No.	23817	Strand	-
Start	2269	End	2601
Name	OJ990430_11.9A14.C22.o2.ts	Method	TBLASTX:Soybean
Start	2341	End	2509
GI	none	Score	149
Exons	2341..2508, 2345..2509		

Seq. No.	11212	Seq. ID	OJ990430_11.9A14.C23
Gene No.	23818	Strand	+
Start	2336	End	4472
Name	OJ990430_11.9A14.C23.o2.np	Method	AAT/NAP
Start	2336	End	4472
GI	6063554	Score	154
Exons	2336..2470, 2639..2682, 2733..2840, 2910..3075, 3160..3239, 4298..4472		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11212	Seq. ID	OJ990430_11.9A14.C23
Gene No.	23819	Strand	-
Start	7069	End	9367
Name	OJ990430_11.9A14.C23.o1.tm	Method	TBLASTX:Maize
Start	216	End	397
GI	none	Score	115

Exons	216..308, 228..275, 230..397		
Seq. No.	11212	Seq. ID	OJ990430_11.9A14.C23
Gene No.	23819	Strand	-
Start	7069	End	9367
Name	OJ990430_11.9A14.C23.o1.ts	Method	TBLASTX:Soybean
Start	230	End	409
GI	none	Score	191
Exons	230..409		
Seq. No.	11212	Seq. ID	OJ990430_11.9A14.C23
Gene No.	23819	Strand	-
Start	7069	End	9367
Name	OJ990430_11.9A14.C23.o2.gs	Method	GENSCAN
Start	7069	End	9367
GI	none	Score	.46
Exons	7069..7118, 7738..7803, 9184..9367		
Seq. No.	11213	Seq. ID	OJ990430_11.9A14.C26
Gene No.	23820	Strand	+
Start	122	End	1772
Name	OJ990430_11.9A14.C26.o1.gs	Method	GENSCAN
Start	122	End	1772
GI	none	Score	.78
Exons	122..449, 1732..1772		
Seq. No.	11213	Seq. ID	OJ990430_11.9A14.C26
Gene No.	23821	Strand	-
Start	1	End	526
Name	OJ990430_11.9A14.C26.o1.np	Method	AAT/NAP
Start	1	End	526
GI	5103806	Score	189
Exons	1..42, 100..177, 263..526		
GI Descrip.	(AC007591) EST gb|F14271 comes from this gene. [Arabidopsis thaliana]		
Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23822	Strand	-
Start	1	End	2028
Name	OJ990430_11.9A14.C27.o1.np	Method	AAT/NAP
Start	1	End	2028
GI	5441880	Score	706
Exons	1..70, 998..2028		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23823	Strand	-
Start	3893	End	6562
Name	OJ990430_11.9A14.C27.o1.gp	Method	AAT/GAP
Start	3893	End	5508
GI	24105_1.R1084	Score	1063
Exons	3893..4378, 5315..5345, 5379..5508		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23823	Strand	-
Start	3893	End	6562
Name	OJ990430_11.9A14.C27.o2.np	Method	AAT/NAP
Start	4118	End	6562
GI	3193303	Score	445
Exons	4118..4165, 5388..5492, 6089..6262, 6359..6562		
GI Descrip.	(AF069298) similar to several proteins containing a tandem repeat region such as Plasmodium falciparum GGM tandem repeat protein (GB:U27807); partial CDS [Arabidopsis thaliana]		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o1.tw	Method	TBLASTX:Wheat
Start	840	End	1167
GI	none	Score	81
Exons	840..944, 857..946, 858..950, 859..966, 859..978, 923..970, 991..1167, 1019..1159		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o2.tm	Method	TBLASTX:Maize
Start	877	End	1459
GI	none	Score	44
Exons	877..957, 929..955, 997..1305, 1001..1306, 1306..1458, 1337..1459		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o1.tm	Method	TBLASTX:Maize
Start	4275	End	6556
GI	none	Score	255
Exons	4275..4379, 6109..6264, 6111..6263, 6155..6268, 6359..6421, 6359..6433, 6410..6556, 6414..6548		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o1.ts	Method	TBLASTX:Soybean
Start	6109	End	6548
GI	none	Score	37
Exons	6109..6126, 6109..6162, 6113..6265, 6129..6263, 6150..6284, 6155..6268, 6336..6527, 6337..6528, 6359..6547, 6399..6548		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o1.tc	Method	TBLASTX:Cress
Start	6115	End	6583
GI	none	Score	60
Exons	6115..6162, 6116..6172, 6177..6263, 6179..6268, 6356..6547, 6359..6583, 6411..6557		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27

Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o2.tw	Method	TBLASTX:Wheat
Start	6115	End	6553
GI	none	Score	36
Exons	6115..6147, 6155..6268, 6194..6265, 6333..6548, 6359..6553		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o2.gp	Method	AAT/GAP
Start	12063	End	16183
GI	29822_1.R1084	Score	1370
Exons	12063..12458, 15869..16183		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o3.np	Method	AAT/NAP
Start	12280	End	16030
GI	5430760	Score	375
Exons	12280..12458, 15869..16030		
GI Descrip.	(AC007504) Putative ribosomal protein [Arabidopsis thaliana]		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o2.gs	Method	GENSCAN
Start	12297	End	17251
GI	none	Score	.45
Exons	12297..12458, 15869..16263, 17173..17251		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o2.tc	Method	TBLASTX:Cress
Start	12390	End	16031
GI	none	Score	75
Exons	12390..12482, 12400..12483, 15866..16030, 15867..16031		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o2.ts	Method	TBLASTX:Soybean
Start	12390	End	16031
GI	none	Score	83
Exons	12390..12461, 12397..12477, 15866..16030, 15867..16031		

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o4.np	Method	AAT/NAP
Start	15100	End	18595
GI	5295951	Score	111
Exons	15100..15151, 18290..18595		

GI Descrip. (AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]

Seq. No.	11214	Seq. ID	OJ990430_11.9A14.C27
Gene No.	23824	Strand	-
Start	12297	End	18595
Name	OJ990430_11.9A14.C27.o3.tm	Method	TBLASTX:Maize
Start	15866	End	16031
GI	none	Score	253
Exons	15866..16030, 15867..16031		

Seq. No.	11215	Seq. ID	OJ990430_11.9A14.C31
Gene No.	23825	Strand	+
Start	97	End	744
Name	OJ990430_11.9A14.C31.o1.np	Method	AAT/NAP
Start	97	End	744
GI	5103807	Score	62
Exons	97..187, 674..744		

GI Descrip. (AC007591) Contains similarity to gb|AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb|T88254 and gb|AA394650 come from this gene. [Arabidopsis thaliana]

Seq. No.	11216	Seq. ID	OJ990430_11.9A14.C37
Gene No.	23826	Strand	-
Start	256	End	370
Name	OJ990430_11.9A14.C37.o1.gs	Method	GENSCAN
Start	256	End	370
GI	none	Score	.62
Exons	256..370		

Seq. No.	11217	Seq. ID	OJ990430_11.9A14.C39
Gene No.	23827	Strand	-
Start	1	End	1580
Name	OJ990430_11.9A14.C39.o1.np	Method	AAT/NAP
Start	1	End	1580
GI	6815062	Score	808
Exons	1..60, 122..220, 297..606, 665..905, 991..1580		

GI Descrip. (AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]

Seq. No.	11217	Seq. ID	OJ990430_11.9A14.C39
Gene No.	23827	Strand	-
Start	1	End	1580
Name	OJ990430_11.9A14.C39.o1.gs	Method	GENSCAN
Start	122	End	1101
GI	none	Score	.68
Exons	122..220, 297..438, 582..591, 697..790, 991..1101		

Seq. No.	11217	Seq. ID	OJ990430_11.9A14.C39
Gene No.	23827	Strand	-
Start	1	End	1580
Name	OJ990430_11.9A14.C39.o1.tm	Method	TBLASTX:Maize
Start	297	End	1351
GI	none	Score	65
Exons	297..482, 522..599, 696..812, 696..905, 697..855, 1080..1286,		

1145..1351, 1147..1350

Seq. No.	11218	Seq. ID	OJ990430_11.9A14.C40
Gene No.	23828	Strand	-
Start	368	End	1052
Name	OJ990430_11.9A14.C40.o1.gs	Method	GENSCAN
Start	368	End	1040
GI	none	Score	.59
Exons	368..478, 894..1040		

Seq. No.	11218	Seq. ID	OJ990430_11.9A14.C40
Gene No.	23828	Strand	-
Start	368	End	1052
Name	OJ990430_11.9A14.C40.o1.tm	Method	TBLASTX:Maize
Start	529	End	1052
GI	none	Score	58
Exons	529..624, 529..621, 579..731, 616..672, 620..730, 678..731, 719..982, 726..1052, 727..1050		

Seq. No.	11219	Seq. ID	OJ990430_11.9A14.C41
Gene No.	23829	Strand	+
Start	1	End	1278
Name	OJ990430_11.9A14.C41.o1.np	Method	AAT/NAP
Start	1	End	1278
GI	2605798	Score	90
Exons	1..20, 649..1278		
GI Descrip.	(AF027735) minor ampullate silk protein MiSp1 [Nephila clavipes]		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23830	Strand	+
Start	1357	End	2154
Name	OJ990430_11.9A14.C42.o1.np	Method	AAT/NAP
Start	1357	End	2154
GI	4512231	Score	1357
Exons	1357..2154		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o2.np	Method	AAT/NAP
Start	2099	End	5728
GI	4680179	Score	3899
Exons	2099..2144, 2429..3445, 3473..5728		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o7.tw	Method	TBLASTX:Wheat
Start	2596	End	2794
GI	none	Score	213
Exons	2596..2793, 2597..2794, 2621..2794		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728

Name	OJ990430_11.9A14.C42.o4.tm	Method	TBLASTX:Maize
Start	2846	End	3151
GI	none	Score	243
Exons	2846..3151		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o5.tw	Method	TBLASTX:Wheat
Start	2846	End	3196
GI	none	Score	318
Exons	2846..3196		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o6.tw	Method	TBLASTX:Wheat
Start	3530	End	3874
GI	none	Score	246
Exons	3530..3874		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o6.tm	Method	TBLASTX:Maize
Start	3887	End	4084
GI	none	Score	196
Exons	3887..4084, 3925..4032		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o2.tw	Method	TBLASTX:Wheat
Start	4015	End	4498
GI	none	Score	526
Exons	4015..4455, 4016..4498, 4019..4489		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o2.tm	Method	TBLASTX:Maize
Start	4088	End	4528
GI	none	Score	368
Exons	4088..4528, 4093..4323		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o3.ts	Method	TBLASTX:Soybean
Start	4088	End	4366
GI	none	Score	191
Exons	4088..4366		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o1.ts	Method	TBLASTX:Soybean

Start	4439	End	4833
GI	none	Score	57
Exons	4439..4471, 4439..4471, 4475..4528, 4478..4618, 4583..4675, 4591..4674, 4675..4833, 4683..4823		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o3.tm	Method	TBLASTX:Maize
Start	4583	End	4914
GI	none	Score	72
Exons	4583..4675, 4675..4914, 4692..4913		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o4.tw	Method	TBLASTX:Wheat
Start	4586	End	4845
GI	none	Score	134
Exons	4586..4675, 4588..4674, 4675..4845, 4681..4839, 4692..4844		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o1.tw	Method	TBLASTX:Wheat
Start	4849	End	5274
GI	none	Score	594
Exons	4849..5274, 4851..4913, 4925..5107, 4938..5267		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o2.ts	Method	TBLASTX:Soybean
Start	4855	End	5103
GI	none	Score	201
Exons	4855..5103		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o1.tm	Method	TBLASTX:Maize
Start	4921	End	5274
GI	none	Score	459
Exons	4921..5274, 4941..5267		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o3.tw	Method	TBLASTX:Wheat
Start	5302	End	5727
GI	none	Score	448
Exons	5302..5727, 5458..5721, 5487..5726		

Seq. No.	11220	Seq. ID	OJ990430_11.9A14.C42
Gene No.	23831	Strand	+
Start	2099	End	5728
Name	OJ990430_11.9A14.C42.o5.tm	Method	TBLASTX:Maize

Start	5458	End	5727
GI	none	Score	201
Exons	5458..5727, 5491..5721		

Seq. No.	11221	Seq. ID	OJ990430_11.9A14.C43
Gene No.	23832	Strand	+
Start	1	End	1161
Name	OJ990430_11.9A14.C43.o1.np	Method	AAT/NAP
Start	1	End	1161
GI	4680179	Score	1684
Exons	1..1161		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11221	Seq. ID	OJ990430_11.9A14.C43
Gene No.	23832	Strand	+
Start	1	End	1161
Name	OJ990430_11.9A14.C43.o1.ts	Method	TBLASTX:Soybean
Start	73	End	261
GI	none	Score	245
Exons	73..261, 76..252, 78..260		

Seq. No.	11221	Seq. ID	OJ990430_11.9A14.C43
Gene No.	23832	Strand	+
Start	1	End	1161
Name	OJ990430_11.9A14.C43.o2.tm	Method	TBLASTX:Maize
Start	73	End	351
GI	none	Score	387
Exons	73..351, 73..159, 75..347		

Seq. No.	11221	Seq. ID	OJ990430_11.9A14.C43
Gene No.	23832	Strand	+
Start	1	End	1161
Name	OJ990430_11.9A14.C43.o3.tw	Method	TBLASTX:Wheat
Start	73	End	214
GI	none	Score	227
Exons	73..213, 75..209, 80..214		

Seq. No.	11221	Seq. ID	OJ990430_11.9A14.C43
Gene No.	23832	Strand	+
Start	1	End	1161
Name	OJ990430_11.9A14.C43.o1.tw	Method	TBLASTX:Wheat
Start	220	End	846
GI	none	Score	718
Exons	220..846, 222..728, 786..845		

Seq. No.	11221	Seq. ID	OJ990430_11.9A14.C43
Gene No.	23832	Strand	+
Start	1	End	1161
Name	OJ990430_11.9A14.C43.o1.gs	Method	GENSCAN
Start	391	End	1146
GI	none	Score	.56
Exons	391..1146		

Seq. No.	11221	Seq. ID	OJ990430_11.9A14.C43
Gene No.	23832	Strand	+
Start	1	End	1161
Name	OJ990430_11.9A14.C43.o1.tm	Method	TBLASTX:Maize

Start	399	End	984
GI	none	Score	224
Exons	399..554, 400..561, 558..731, 559..984, 786..983		

Seq. No.	11221	Seq. ID	OJ990430_11.9A14.C43
Gene No.	23832	Strand	+
Start	1	End	1161
Name	OJ990430_11.9A14.C43.o2.tw	Method	TBLASTX:Wheat
Start	846	End	1148
GI	none	Score	326
Exons	846..1148, 847..1143		

Seq. No.	11222	Seq. ID	OJ990430_11.9A14.C44
Gene No.	23833	Strand	
Start	206	End	381
Name	OJ990430_11.9A14.C44.o1.tm	Method	TBLASTX:Maize
Start	206	End	381
GI	none	Score	168
Exons	206..334, 206..334, 207..335, 213..338, 214..336, 330..380, 330..380, 334..381		

Seq. No.	11223	Seq. ID	OJ990430_11.9A14.C45
Gene No.	23834	Strand	-
Start	1009	End	1200
Name	OJ990430_11.9A14.C45.o1.gs	Method	GENSCAN
Start	1009	End	1200
GI	none	Score	.86
Exons	1009..1076, 1123..1200		

Seq. No.	11223	Seq. ID	OJ990430_11.9A14.C45
Gene No.	23835	Strand	-
Start	1123	End	1207
Name	OJ990430_11.9A14.C45.o1.np	Method	AAT/NAP
Start	1123	End	1207
GI	5103806	Score	74
Exons	1123..1207		
GI Descrip.	(AC007591) EST gb|F14271 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	11224	Seq. ID	OJ990430_11.9A14.C47
Gene No.	23836	Strand	-
Start	39	End	175
Name	OJ990430_11.9A14.C47.o1.gs	Method	GENSCAN
Start	39	End	175
GI	none	Score	.95
Exons	39..175		

Seq. No.	11225	Seq. ID	OJ990430_11.9A14.C50
Gene No.	23837	Strand	+
Start	342	End	514
Name	OJ990430_11.9A14.C50.o1.np	Method	AAT/NAP
Start	342	End	514
GI	6063554	Score	96
Exons	342..514		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11225	Seq. ID	OJ990430_11.9A14.C50
Gene No.	23838	Strand	+
Start	1041	End	1178
Name	OJ990430_11.9A14.C50.o1.gs	Method	GENSCAN
Start	1041	End	1178
GI	none	Score	.76
Exons	1041..1178		

Seq. No.	11226	Seq. ID	OJ990430_11.9A14.C51
Gene No.	23839	Strand	-
Start	1	End	632
Name	OJ990430_11.9A14.C51.o1.np	Method	AAT/NAP
Start	1	End	632
GI	6815062	Score	252
Exons	1..346, 432..632		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	11226	Seq. ID	OJ990430_11.9A14.C51
Gene No.	23839	Strand	-
Start	1	End	632
Name	OJ990430_11.9A14.C51.o1.tm	Method	TBLASTX:Maize
Start	137	End	346
GI	none	Score	102
Exons	137..346, 138..296		

Seq. No.	11226	Seq. ID	OJ990430_11.9A14.C51
Gene No.	23839	Strand	-
Start	1	End	632
Name	OJ990430_11.9A14.C51.o1.gs	Method	GENSCAN
Start	138	End	542
GI	none	Score	.92
Exons	138..231, 432..542		

Seq. No.	11227	Seq. ID	OJ990430_11.9A14.C52
Gene No.	23840	Strand	-
Start	1	End	706
Name	OJ990430_11.9A14.C52.o1.np	Method	AAT/NAP
Start	1	End	706
GI	3273196	Score	105
Exons	1..168, 277..347, 462..547, 604..706		
GI Descrip.	(AB010915) responce regulator1 [Arabidopsis thaliana] gi|3323583 (AF057282) two-component response regulator homolog [Arabidopsis thaliana] gi|3953597|dbj|BAA34726| (AB008487) response regulator 4 [Arabidopsis thaliana] gi|5091539|gb|AAD39568.1|AC007067_8 (AC007067) T10O24.8 [Arabidopsis thaliana]		

Seq. No.	11227	Seq. ID	OJ990430_11.9A14.C52
Gene No.	23840	Strand	-
Start	1	End	706
Name	OJ990430_11.9A14.C52.o1.gs	Method	GENSCAN
Start	87	End	524
GI	none	Score	.94
Exons	87..168, 277..347, 462..524		

Seq. No.	11228	Seq. ID	OJ990430_11.9A14.C53
Gene No.	23841	Strand	+
Start	32	End	172
Name	OJ990430_11.9A14.C53.o1.gs	Method	GENSCAN
Start	32	End	172
GI	none	Score	.41
Exons	32..172		

Seq. No.	11229	Seq. ID	OJ990810_14.9A01.C1
Gene No.	23842	Strand	+
Start	533	End	804
Name	OJ990810_14.9A01.C1.o1.gs	Method	GENSCAN
Start	533	End	804
GI	none	Score	.94
Exons	533..619, 625..804		

Seq. No.	11229	Seq. ID	OJ990810_14.9A01.C1
Gene No.	23843	Strand	-
Start	397	End	847
Name	OJ990810_14.9A01.C1.o1.np	Method	AAT/NAP
Start	397	End	847
GI	3377834	Score	121
Exons	397..847		
GI Descrip.	(AF075598) No definition line found [Arabidopsis thaliana]		

Seq. No.	11230	Seq. ID	OJ990810_14.9A01.C3
Gene No.	23844	Strand	-
Start	1	End	693
Name	OJ990810_14.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	693
GI	6498441	Score	431
Exons	1..458, 513..693		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11230	Seq. ID	OJ990810_14.9A01.C3
Gene No.	23844	Strand	-
Start	1	End	693
Name	OJ990810_14.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	3	End	252
GI	none	Score	64
Exons	3..74, 53..118, 57..116, 116..217, 121..252		

Seq. No.	11230	Seq. ID	OJ990810_14.9A01.C3
Gene No.	23844	Strand	-
Start	1	End	693
Name	OJ990810_14.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	3	End	381
GI	none	Score	73
Exons	3..74, 7..75, 53..118, 54..119, 65..130, 121..321, 125..322, 312..380, 313..381		

Seq. No.	11230	Seq. ID	OJ990810_14.9A01.C3
Gene No.	23844	Strand	-
Start	1	End	693
Name	OJ990810_14.9A01.C3.o1.gs	Method	GENSCAN

Start	390	End	632
GI	none	Score	.79
Exons	390..632		

Seq. No.	11231	Seq. ID	OJ990810_14.9A01.C4
Gene No.	23845	Strand	+
Start	296	End	1791
Name	OJ990810_14.9A01.C4.o1.gs	Method	GENSCAN
Start	296	End	1791
GI	none	Score	.44
Exons	296..370, 1732..1791		

Seq. No.	11232	Seq. ID	OJ990810_14.9A01.C7
Gene No.	23846	Strand	+
Start	362	End	458
Name	OJ990810_14.9A01.C7.o1.np	Method	AAT/NAP
Start	362	End	458
GI	6721547	Score	71
Exons	362..458		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23847	Strand	+
Start	492	End	3688
Name	OJ990810_14.9A01.C8.o1.gs	Method	GENSCAN
Start	492	End	3688
GI	none	Score	.99
Exons	492..1427, 3167..3688		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23847	Strand	+
Start	492	End	3688
Name	OJ990810_14.9A01.C8.o1.np	Method	AAT/NAP
Start	501	End	3673
GI	3851530	Score	1829
Exons	501..1427, 3167..3673		
GI Descrip.	(AF065435) nodulin [Glycine max]		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23848	Strand	+
Start	8767	End	17762
Name	OJ990810_14.9A01.C8.o3.gs	Method	GENSCAN
Start	8767	End	10770
GI	none	Score	.94
Exons	8767..8855, 9210..9477, 9561..9743, 10750..10770		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23848	Strand	+
Start	8767	End	17762
Name	OJ990810_14.9A01.C8.o2.np	Method	AAT/NAP
Start	9614	End	17762
GI	5042454	Score	414
Exons	9614..9763, 16525..16850, 17169..17762		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23848	Strand	+

Start	8767	End	17762
Name	OJ990810_14.9A01.C8.o5.gs	Method	GENSCAN
Start	14856	End	17506
GI	none	Score	.67
Exons	14856..14967, 15738..15853, 15995..16171, 16179..16347, 16386..17506		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23849	Strand	-
Start	4229	End	6627
Name	OJ990810_14.9A01.C8.o2.gs	Method	GENSCAN
Start	4229	End	6627
GI	none	Score	.85
Exons	4229..4765, 4781..6214, 6259..6627		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23850	Strand	-
Start	11361	End	13108
Name	OJ990810_14.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	503	End	3658
GI	none	Score	1102
Exons	503..754, 504..1442, 815..1159, 1266..1364, 1334..1429, 3167..3517, 3418..3516, 3581..3658, 3625..3657		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23850	Strand	-
Start	11361	End	13108
Name	OJ990810_14.9A01.C8.o1.tc	Method	TBLASTX:Cress
Start	504	End	929
GI	none	Score	568
Exons	504..929, 506..757, 815..925		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23850	Strand	-
Start	11361	End	13108
Name	OJ990810_14.9A01.C8.o2.tc	Method	TBLASTX:Cress
Start	3422	End	3685
GI	none	Score	110
Exons	3422..3517, 3451..3507, 3581..3685, 3625..3672		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23850	Strand	-
Start	11361	End	13108
Name	OJ990810_14.9A01.C8.o4.gs	Method	GENSCAN
Start	11361	End	13108
GI	none	Score	.93
Exons	11361..11381, 12362..12483, 12603..12727, 12786..12868, 13031..13108		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23851	Strand	
Start	17270	End	17692
Name	OJ990810_14.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	17270	End	17530
GI	none	Score	192
Exons	17270..17530		

Seq. No.	11233	Seq. ID	OJ990810_14.9A01.C8
Gene No.	23851	Strand	
Start	17270	End	17692
Name	OJ990810_14.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	17294	End	17692
GI	none	Score	235
Exons	17294..17692, 17308..17601		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23852	Strand	+
Start	1	End	7116
Name	OJ990810_14.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	7113
GI	5902445	Score	1885
Exons	1..1138, 1191..1891, 2242..2355, 3210..3261, 6743..7113		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23852	Strand	+
Start	1	End	7116
Name	OJ990810_14.9A01.C9.o1.gs	Method	GENSCAN
Start	34	End	1924
GI	none	Score	.8
Exons	34..484, 611..1165, 1182..1924		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23852	Strand	+
Start	1	End	7116
Name	OJ990810_14.9A01.C9.o3.gs	Method	GENSCAN
Start	5476	End	7116
GI	none	Score	.89
Exons	5476..5583, 6709..7116		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23853	Strand	+
Start	19409	End	25709
Name	OJ990810_14.9A01.C9.o6.gs	Method	GENSCAN
Start	19409	End	25709
GI	none	Score	.47
Exons	19409..19478, 19747..20014, 20279..20328, 20372..20649, 20819..24094, 24159..24230, 24366..24579, 25215..25379, 25579..25709		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23853	Strand	+
Start	19409	End	25709
Name	OJ990810_14.9A01.C9.o3.np	Method	AAT/NAP
Start	19790	End	24848
GI	4895171	Score	2636
Exons	19790..19871, 20934..24848		
GI Descrip.	(AC007662) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23853	Strand	+
Start	19409	End	25709
Name	OJ990810_14.9A01.C9.o1.gp	Method	AAT/GAP

Start	22149	End	22585
GI	2428449	Score	826
Exons	22149..22585		
GI Descrip.	4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23853	Strand	+
Start	19409	End	25709
Name	OJ990810_14.9A01.C9.o2.gp	Method	AAT/GAP
Start	23633	End	23875
GI	1621494	Score	438
Exons	23633..23875		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23854	Strand	+
Start	35465	End	35928
Name	OJ990810_14.9A01.C9.o3.gp	Method	AAT/GAP
Start	35465	End	35928
GI	LIB3433-039-P1-K1-C11	Score	902
Exons	35465..35928		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23855	Strand	-
Start	2806	End	4048
Name	OJ990810_14.9A01.C9.o2.gs	Method	GENSCAN
Start	2806	End	4048
GI	none	Score	.52
Exons	2806..2873, 3104..3159, 3500..3592, 3639..3760, 3914..4048		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23856	Strand	-
Start	6590	End	13793
Name	OJ990810_14.9A01.C9.o2.np	Method	AAT/NAP
Start	6590	End	10797
GI	6907089	Score	305
Exons	6590..6614, 10028..10797		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23856	Strand	-
Start	6590	End	13793
Name	OJ990810_14.9A01.C9.o4.gs	Method	GENSCAN
Start	7925	End	13793
GI	none	Score	.62
Exons	7925..8232, 8374..9356, 9438..9496, 9568..9762, 9832..9948, 10184..10479, 10659..10825, 11455..11558, 11616..11743, 13781..13793		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23857	Strand	-
Start	14947	End	17457

Name	OJ990810_14.9A01.C9.o5.gs	Method	GENSCAN
Start	14947	End	17457
GI	none	Score	.89
Exons	14947..17457		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23858	Strand	-
Start	26253	End	29472
Name	OJ990810_14.9A01.C9.o4.np	Method	AAT/NAP
Start	26142	End	27932
GI	3851530	Score	942
Exons	26142..26214, 26293..26729, 27213..27932		
GI Descrip.	(AF065435) nodulin [Glycine max]		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23858	Strand	-
Start	26253	End	29472
Name	OJ990810_14.9A01.C9.o5.np	Method	AAT/NAP
Start	26142	End	29142
GI	3851530	Score	941
Exons	26142..26214, 26293..26729, 27213..27923, 29092..29142		
GI Descrip.	(AF065435) nodulin [Glycine max]		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23858	Strand	-
Start	26253	End	29472
Name	OJ990810_14.9A01.C9.o6.np	Method	AAT/NAP
Start	26142	End	29151
GI	3851530	Score	942
Exons	26142..26214, 26293..26729, 27213..27923, 29092..29151		
GI Descrip.	(AF065435) nodulin [Glycine max]		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23858	Strand	-
Start	26253	End	29472
Name	OJ990810_14.9A01.C9.o7.gs	Method	GENSCAN
Start	26253	End	29472
GI	none	Score	.74
Exons	26253..26729, 27213..27887, 29170..29472		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23858	Strand	-
Start	26253	End	29472
Name	OJ990810_14.9A01.C9.o7.np	Method	AAT/NAP
Start	27039	End	29466
GI	3851530	Score	890
Exons	27039..27085, 27173..27923, 29239..29466		
GI Descrip.	(AF065435) nodulin [Glycine max]		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o6.tm	Method	TBLASTX:Maize
Start	4	End	398
GI	none	Score	222
Exons	4..258, 6..203, 252..332, 253..333, 369..398, 370..396		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o6.tw	Method	TBLASTX:Wheat
Start	69	End	483
GI	none	Score	214
Exons	69..311, 73..327, 328..483, 336..479		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o8.tw	Method	TBLASTX:Wheat
Start	520	End	927
GI	none	Score	112
Exons	520..630, 528..632, 664..717, 699..734, 700..927		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o3.tm	Method	TBLASTX:Maize
Start	1304	End	1609
GI	none	Score	347
Exons	1304..1609, 1321..1608		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o3.tw	Method	TBLASTX:Wheat
Start	1435	End	1816
GI	none	Score	363
Exons	1435..1800, 1436..1816		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o4.tm	Method	TBLASTX:Maize
Start	1760	End	22783
GI	none	Score	71
Exons	1760..1870, 22298..22783, 22492..22782		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o5.tw	Method	TBLASTX:Wheat
Start	21182	End	21607
GI	none	Score	178
Exons	21182..21334, 21202..21327, 21314..21424, 21337..21423, 21416..21478, 21427..21468, 21545..21607, 21562..21597		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o4.tw	Method	TBLASTX:Wheat
Start	22312	End	22921
GI	none	Score	327
Exons	22312..22719, 22313..22762, 22762..22842, 22859..22921		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o4.ts	Method	TBLASTX:Soybean
Start	22532	End	22984
GI	none	Score	267
Exons	22532..22861, 22541..22786, 22561..22791, 22847..22984		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o1.tc	Method	TBLASTX:Cress
Start	22550	End	23017
GI	none	Score	191
Exons	22550..22843, 22858..22974, 22859..23017		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	23196	End	23634
GI	none	Score	617
Exons	23196..23624, 23197..23634, 23198..23632, 23220..23633		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o5.tm	Method	TBLASTX:Maize
Start	23464	End	23902
GI	none	Score	344
Exons	23464..23769, 23474..23902		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o5.tc	Method	TBLASTX:Cress
Start	23474	End	23680
GI	none	Score	202
Exons	23474..23680, 23474..23680		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o2.ts	Method	TBLASTX:Soybean
Start	23498	End	23887
GI	none	Score	380
Exons	23498..23887, 23518..23793, 23592..23849		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o2.tw	Method	TBLASTX:Wheat
Start	23636	End	24266
GI	none	Score	155
Exons	23636..23785, 23822..24130, 23878..24012, 24150..24266		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9

Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o2.tm	Method	TBLASTX:Maize
Start	23905	End	24361
GI	none	Score	128
Exons	23905..23997, 23906..24067, 24040..24132, 24041..24133, 24120..24356, 24143..24361, 24179..24358		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o3.tc	Method	TBLASTX:Cress
Start	24249	End	24839
GI	none	Score	57
Exons	24249..24368, 24363..24467, 24468..24614, 24630..24839		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o7.tw	Method	TBLASTX:Wheat
Start	24392	End	24815
GI	none	Score	168
Exons	24392..24571, 24393..24596, 24614..24793, 24615..24815		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	24417	End	24843
GI	none	Score	559
Exons	24417..24839, 24419..24841, 24598..24843, 24740..24841		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o3.ts	Method	TBLASTX:Soybean
Start	24441	End	24839
GI	none	Score	308
Exons	24441..24716, 24443..24724, 24729..24839, 24740..24838		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	26388	End	38990
GI	none	Score	109
Exons	26388..26750, 26581..26736, 27177..27308, 27423..27680, 27466..27687, 27681..27920, 27682..27894, 29237..29344, 29258..29458, 29260..29481, 36960..37085, 37002..37502, 37006..37107, 37156..37221, 37300..37503, 37878..38591, 37879..38589, 38781..38990, 38785..38985		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o4.tc	Method	TBLASTX:Cress
Start	26388	End	37247

GI	none	Score	103
Exons	26388..26471, 37017..37115, 37018..37104, 37155..37247, 37159..37218		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o2.tc	Method	TBLASTX:Cress
Start	27723	End	38990
GI	none	Score	126
Exons	27723..27884, 27724..27885, 29260..29481, 29261..29458, 29311..29463, 38382..38591, 38383..38589, 38781..38990, 38788..38985, 38835..38990		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o10.gs	Method	GENSCAN
Start	36996	End	38999
GI	none	Score	.99
Exons	36996..37502, 37881..38579, 38706..38999		

Seq. No.	11234	Seq. ID	OJ990810_14.9A01.C9
Gene No.	23859	Strand	-
Start	36996	End	38999
Name	OJ990810_14.9A01.C9.o8.np	Method	AAT/NAP
Start	37002	End	38993
GI	3851530	Score	1535
Exons	37002..37502, 37881..38591, 38778..38993		
GI Descrip.	(AF065435) nodulin [Glycine max]		

Seq. No.	11235	Seq. ID	OJ990810_14.9A01.C16
Gene No.	23860	Strand	-
Start	1	End	1856
Name	OJ990810_14.9A01.C16.o1.np	Method	AAT/NAP
Start	1	End	1856
GI	4206306	Score	1476
Exons	1..1856		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	11235	Seq. ID	OJ990810_14.9A01.C16
Gene No.	23860	Strand	-
Start	1	End	1856
Name	OJ990810_14.9A01.C16.o3.tw	Method	TBLASTX:Wheat
Start	2	End	389
GI	none	Score	107
Exons	2..388, 42..248, 276..389		

Seq. No.	11235	Seq. ID	OJ990810_14.9A01.C16
Gene No.	23860	Strand	-
Start	1	End	1856
Name	OJ990810_14.9A01.C16.o2.ts	Method	TBLASTX:Soybean
Start	27	End	388
GI	none	Score	86
Exons	27..251, 32..388		

Seq. No.	11235	Seq. ID	OJ990810_14.9A01.C16

Gene No.	23860	Strand	-
Start	1	End	1856
Name	OJ990810_14.9A01.C16.o1.gs	Method	GENSCAN
Start	28	End	1807
GI	none	Score	.43
Exons	28..297, 381..551, 617..766, 995..1362, 1380..1447, 1481..1807		

Seq. No.	11235	Seq. ID	OJ990810_14.9A01.C16
Gene No.	23860	Strand	-
Start	1	End	1856
Name	OJ990810_14.9A01.C16.o4.tw	Method	TBLASTX:Wheat
Start	454	End	832
GI	none	Score	103
Exons	454..579, 665..832		

Seq. No.	11235	Seq. ID	OJ990810_14.9A01.C16
Gene No.	23860	Strand	-
Start	1	End	1856
Name	OJ990810_14.9A01.C16.o1.ts	Method	TBLASTX:Soybean
Start	639	End	1040
GI	none	Score	47
Exons	639..731, 656..862, 843..1040, 847..990		

Seq. No.	11235	Seq. ID	OJ990810_14.9A01.C16
Gene No.	23860	Strand	-
Start	1	End	1856
Name	OJ990810_14.9A01.C16.o2.tm	Method	TBLASTX:Maize
Start	840	End	1142
GI	none	Score	156
Exons	840..1142, 865..1032		

Seq. No.	11235	Seq. ID	OJ990810_14.9A01.C16
Gene No.	23860	Strand	-
Start	1	End	1856
Name	OJ990810_14.9A01.C16.o1.tw	Method	TBLASTX:Wheat
Start	882	End	1289
GI	none	Score	103
Exons	882..1289, 883..1098, 1132..1275		

Seq. No.	11235	Seq. ID	OJ990810_14.9A01.C16
Gene No.	23860	Strand	-
Start	1	End	1856
Name	OJ990810_14.9A01.C16.o1.tm	Method	TBLASTX:Maize
Start	1170	End	1526
GI	none	Score	115
Exons	1170..1286, 1258..1452, 1286..1525, 1292..1483, 1302..1526		

Seq. No.	11235	Seq. ID	OJ990810_14.9A01.C16
Gene No.	23860	Strand	-
Start	1	End	1856
Name	OJ990810_14.9A01.C16.o2.tw	Method	TBLASTX:Wheat
Start	1295	End	1654
GI	none	Score	124
Exons	1295..1654, 1296..1436, 1301..1483		

Seq. No.	11236	Seq. ID	OJ990810_14.9A01.C18
Gene No.	23861	Strand	-

Start	52	End	315
Name	OJ990810_14.9A01.C18.o1.gs	Method	GENSCAN
Start	52	End	315
GI	none	Score	.41
Exons	52..190, 281..315		

Seq. No.	11236	Seq. ID	OJ990810_14.9A01.C18
Gene No.	23862	Strand	-
Start	474	End	1276
Name	OJ990810_14.9A01.C18.o1.np	Method	AAT/NAP
Start	474	End	1276
GI	6063554	Score	101
Exons	474..645, 1233..1276		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11237	Seq. ID	OJ990810_14.9A01.C20
Gene No.	23863	Strand	+
Start	46	End	163
Name	OJ990810_14.9A01.C20.o1.gs	Method	GENSCAN
Start	46	End	163
GI	none	Score	.58
Exons	46..163		

Seq. No.	11238	Seq. ID	OJ990810_14.9A01.C21
Gene No.	23864	Strand	+
Start	1	End	292
Name	OJ990810_14.9A01.C21.o1.np	Method	AAT/NAP
Start	1	End	289
GI	4680179	Score	399
Exons	1..289		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11238	Seq. ID	OJ990810_14.9A01.C21
Gene No.	23864	Strand	+
Start	1	End	292
Name	OJ990810_14.9A01.C21.o1.gs	Method	GENSCAN
Start	74	End	292
GI	none	Score	.94
Exons	74..292		

Seq. No.	11238	Seq. ID	OJ990810_14.9A01.C21
Gene No.	23865	Strand	-
Start	557	End	661
Name	OJ990810_14.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	2	End	193
GI	none	Score	177
Exons	2..193, 4..144		

Seq. No.	11238	Seq. ID	OJ990810_14.9A01.C21
Gene No.	23865	Strand	-
Start	557	End	661
Name	OJ990810_14.9A01.C21.o1.tw	Method	TBLASTX:Wheat
Start	2	End	244
GI	none	Score	197
Exons	2..244, 7..192, 62..193		

Seq. No.	11238	Seq. ID	OJ990810_14.9A01.C21
Gene No.	23865	Strand	-
Start	557	End	661
Name	OJ990810_14.9A01.C21.o2.gs	Method	GENSCAN
Start	557	End	661
GI	none	Score	.98
Exons	557..661		

Seq. No.	11239	Seq. ID	OJ990810_12.9A14.C1
Gene No.	23866	Strand	-
Start	269	End	1313
Name	OJ990810_12.9A14.C1.o1.gs	Method	GENSCAN
Start	269	End	1313
GI	none	Score	.88
Exons	269..382, 472..547, 624..880, 971..1069, 1148..1313		

Seq. No.	11240	Seq. ID	OJ990810_12.9A14.C2
Gene No.	23867	Strand	+
Start	37	End	832
Name	OJ990810_12.9A14.C2.o1.gs	Method	GENSCAN
Start	37	End	832
GI	none	Score	.85
Exons	37..129, 314..475, 728..832		

Seq. No.	11241	Seq. ID	OJ990810_12.9A14.C3
Gene No.	23868	Strand	+
Start	1	End	1194
Name	OJ990810_12.9A14.C3.o1.np	Method	AAT/NAP
Start	1	End	1194
GI	1091678	Score	282
Exons	1..146, 201..622, 1119..1194		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	11241	Seq. ID	OJ990810_12.9A14.C3
Gene No.	23869	Strand	+
Start	2446	End	3768
Name	OJ990810_12.9A14.C3.o3.np	Method	AAT/NAP
Start	2446	End	3768
GI	6907089	Score	1974
Exons	2446..3666, 3692..3768		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11241	Seq. ID	OJ990810_12.9A14.C3
Gene No.	23870	Strand	-
Start	979	End	2086
Name	OJ990810_12.9A14.C3.o1.tm	Method	TBLASTX:Maize
Start	346	End	555
GI	none	Score	271
Exons	346..555, 347..553		

Seq. No.	11241	Seq. ID	OJ990810_12.9A14.C3
Gene No.	23870	Strand	-
Start	979	End	2086
Name	OJ990810_12.9A14.C3.o1.ts	Method	TBLASTX:Soybean
Start	346	End	559
GI	none	Score	192

Exons	346..540, 347..559		
Seq. No.	11241	Seq. ID	OJ990810_12.9A14.C3
Gene No.	23870	Strand	-
Start	979	End	2086
Name	OJ990810_12.9A14.C3.o2.np	Method	AAT/NAP
Start	979	End	2086
GI	5042454	Score	61
Exons	979..1112, 1963..2086		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23871	Strand	+
Start	263	End	1844
Name	OJ990810_12.9A14.C4.o1.gs	Method	GENSCAN
Start	263	End	1844
GI	none	Score	.92
Exons	263..604, 664..1344, 1425..1844		
Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o5.tm	Method	TBLASTX:Maize
Start	2467	End	2610
GI	none	Score	126
Exons	2467..2610, 2471..2605		
Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o1.np	Method	AAT/NAP
Start	2470	End	7925
GI	6498441	Score	7122
Exons	2470..2751, 2845..4242, 4414..5137, 5312..5446, 5630..6003, 6067..6530, 6861..7925		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o7.tw	Method	TBLASTX:Wheat
Start	2479	End	3057
GI	none	Score	77
Exons	2479..2604, 2483..2605, 2665..3033, 2792..3055, 2797..3057		
Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o4.tw	Method	TBLASTX:Wheat
Start	3062	End	3463
GI	none	Score	222
Exons	3062..3463, 3082..3462		
Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-

Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o2.tm	Method	TBLASTX:Maize
Start	3268	End	3600
GI	none	Score	83
Exons	3268..3480, 3277..3600, 3290..3571		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o8.tw	Method	TBLASTX:Wheat
Start	3793	End	4105
GI	none	Score	65
Exons	3793..4053, 3929..4105		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o2.ts	Method	TBLASTX:Soybean
Start	3853	End	4419
GI	5666795	Score	64
Exons	3853..4053, 4108..4245, 4321..4419		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o5.tw	Method	TBLASTX:Wheat
Start	4108	End	4566
GI	none	Score	88
Exons	4108..4257, 4109..4246, 4301..4477, 4318..4542, 4345..4566		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o1.ts	Method	TBLASTX:Soybean
Start	4975	End	5346
GI	none	Score	90
Exons	4975..5346, 5186..5329		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o2.tw	Method	TBLASTX:Wheat
Start	5005	End	5425
GI	none	Score	298
Exons	5005..5424, 5030..5425		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o3.tm	Method	TBLASTX:Maize
Start	5098	End	5482
GI	none	Score	236
Exons	5098..5481, 5117..5482		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-

Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o1.tm	Method	TBLASTX:Maize
Start	5509	End	5865
GI	none	Score	69
Exons	5509..5625, 5509..5865, 5519..5830		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o1.tw	Method	TBLASTX:Wheat
Start	5533	End	5996
GI	none	Score	212
Exons	5533..5994, 5539..5994, 5540..5995, 5553..5996		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o3.ts	Method	TBLASTX:Soybean
Start	5590	End	5955
GI	none	Score	113
Exons	5590..5724, 5731..5955		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o3.tw	Method	TBLASTX:Wheat
Start	6160	End	6646
GI	none	Score	152
Exons	6160..6645, 6191..6451, 6473..6646		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o6.tw	Method	TBLASTX:Wheat
Start	7384	End	7773
GI	none	Score	101
Exons	7384..7641, 7418..7657, 7624..7722, 7625..7705, 7729..7773		

Seq. No.	11242	Seq. ID	OJ990810_12.9A14.C4
Gene No.	23872	Strand	-
Start	2470	End	7925
Name	OJ990810_12.9A14.C4.o4.tm	Method	TBLASTX:Maize
Start	7495	End	7734
GI	none	Score	104
Exons	7495..7734, 7496..7732		

Seq. No.	11243	Seq. ID	OJ990810_12.9A14.C5
Gene No.	23873	Strand	+
Start	1	End	2888
Name	OJ990810_12.9A14.C5.o1.np	Method	AAT/NAP
Start	1	End	2888
GI	6063557	Score	109
Exons	1..32, 451..593, 2861..2888		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	11243	Seq. ID	OJ990810_12.9A14.C5
Gene No.	23873	Strand	+

Start	1	End	2888
Name	OJ990810_12.9A14.C5.o1.gs	Method	GENSCAN
Start	383	End	766
GI	none	Score	.81
Exons	383..766		

Seq. No.	11243	Seq. ID	OJ990810_12.9A14.C5
Gene No.	23874	Strand	+
Start	3245	End	6750
Name	OJ990810_12.9A14.C5.o2.gs	Method	GENSCAN
Start	3245	End	6728
GI	none	Score	.45
Exons	3245..3337, 4474..4675, 5434..5474, 6104..6339, 6369..6475, 6562..6728		

Seq. No.	11243	Seq. ID	OJ990810_12.9A14.C5
Gene No.	23874	Strand	+
Start	3245	End	6750
Name	OJ990810_12.9A14.C5.o2.np	Method	AAT/NAP
Start	6164	End	6750
GI	6069646	Score	508
Exons	6164..6750		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	11244	Seq. ID	OJ990810_12.9A14.C6
Gene No.	23875	Strand	+
Start	45	End	241
Name	OJ990810_12.9A14.C6.o1.gs	Method	GENSCAN
Start	45	End	241
GI	none	Score	.9
Exons	45..241		

Seq. No.	11245	Seq. ID	OJ990810_12.9A14.C7
Gene No.	23876	Strand	+
Start	1363	End	3936
Name	OJ990810_12.9A14.C7.o1.gs	Method	GENSCAN
Start	1363	End	3936
GI	none	Score	.81
Exons	1363..1524, 2657..2808, 2988..3936		

Seq. No.	11245	Seq. ID	OJ990810_12.9A14.C7
Gene No.	23877	Strand	-
Start	5103	End	5517
Name	OJ990810_12.9A14.C7.o1.gp	Method	AAT/GAP
Start	5103	End	5517
GI	uC-osf1cyp021f01b1	Score	284
Exons	5103..5125, 5333..5517		
GI Descrip.	'5852077/emb|AL117264.1|OSB6015 1.0e-31 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone: b6015'		

Seq. No.	11245	Seq. ID	OJ990810_12.9A14.C7
Gene No.	23878	Strand	-
Start	8205	End	9917

Name	OJ990810_12.9A14.C7.o3.tm	Method	TBLASTX:Maize
Start	2981	End	3321
GI	none	Score	161
Exons	2981..3037, 2982..3110, 2982..3110, 3051..3122, 3091..3150, 3115..3267, 3203..3256, 3217..3273, 3218..3274, 3270..3308, 3273..3320, 3274..3321		

Seq. No.	11245	Seq. ID	OJ990810_12.9A14.C7
Gene No.	23878	Strand	-
Start	8205	End	9917
Name	OJ990810_12.9A14.C7.o2.gs	Method	GENSCAN
Start	8205	End	9917
GI	none	Score	1
Exons	8205..8996, 9091..9126, 9234..9917		

Seq. No.	11245	Seq. ID	OJ990810_12.9A14.C7
Gene No.	23878	Strand	-
Start	8205	End	9917
Name	OJ990810_12.9A14.C7.o1.np	Method	AAT/NAP
Start	8215	End	9907
GI	4558558	Score	1146
Exons	8215..8996, 9234..9666, 9796..9907		
GI Descrip.	(AC007138) putative polygalacturonidase [Arabidopsis thaliana]		

Seq. No.	11245	Seq. ID	OJ990810_12.9A14.C7
Gene No.	23878	Strand	-
Start	8205	End	9917
Name	OJ990810_12.9A14.C7.o1.ts	Method	TBLASTX:Soybean
Start	8238	End	9422
GI	none	Score	329
Exons	8238..8318, 8349..8414, 8430..8996, 8461..8970, 9255..9335, 9357..9422		

Seq. No.	11245	Seq. ID	OJ990810_12.9A14.C7
Gene No.	23878	Strand	-
Start	8205	End	9917
Name	OJ990810_12.9A14.C7.o2.tm	Method	TBLASTX:Maize
Start	8239	End	8465
GI	none	Score	310
Exons	8239..8463, 8241..8465		

Seq. No.	11245	Seq. ID	OJ990810_12.9A14.C7
Gene No.	23878	Strand	-
Start	8205	End	9917
Name	OJ990810_12.9A14.C7.o1.tc	Method	TBLASTX:Cress
Start	8340	End	9455
GI	none	Score	332
Exons	8340..8414, 8421..8996, 8458..8997, 9252..9455		

Seq. No.	11245	Seq. ID	OJ990810_12.9A14.C7
Gene No.	23878	Strand	-
Start	8205	End	9917
Name	OJ990810_12.9A14.C7.o1.tm	Method	TBLASTX:Maize
Start	8466	End	8799
GI	none	Score	255
Exons	8466..8720, 8467..8721, 8718..8798, 8719..8799		

Seq. No.	11245	Seq. ID	OJ990810_12.9A14.C7
Gene No.	23878	Strand	-
Start	8205	End	9917
Name	OJ990810_12.9A14.C7.o4.tm	Method	TBLASTX:Maize
Start	8802	End	8993
GI	none	Score	183
Exons	8802..8993, 8818..8991		

Seq. No.	11246	Seq. ID	OJ990810_12.9A14.C8
Gene No.	23879	Strand	+
Start	1902	End	2504
Name	OJ990810_12.9A14.C8.o1.gp	Method	AAT/GAP
Start	1902	End	2504
GI	37034_1.R1084	Score	1161
Exons	1902..2504		
GI Descrip.	'3236114/emb|AJ224163|NTAJ4163 1.0e-10 Nicotiana tabacum mRNA for shaggy-like kinase'		

Seq. No.	11246	Seq. ID	OJ990810_12.9A14.C8
Gene No.	23880	Strand	-
Start	88	End	4645
Name	OJ990810_12.9A14.C8.o1.gs	Method	GENSCAN
Start	88	End	4641
GI	none	Score	.87
Exons	88..308, 2695..2797, 2885..2968, 3076..3171, 3264..3314, 3394..3495, 3651..3707, 3823..3897, 3999..4271, 4582..4641		

Seq. No.	11246	Seq. ID	OJ990810_12.9A14.C8
Gene No.	23880	Strand	-
Start	88	End	4645
Name	OJ990810_12.9A14.C8.o1.tm	Method	TBLASTX:Maize
Start	2314	End	4642
GI	none	Score	63
Exons	2314..2412, 2514..2606, 2515..2610, 2515..2610, 2516..2614, 2695..2796, 2699..2797, 2699..2797, 2700..2798, 2706..2798, 2882..2977, 2885..2974, 2892..2978, 3073..3189, 3077..3172, 3077..3199, 3079..3177, 3248..3319, 3259..3315, 3261..3323, 3262..3336, 3394..3486, 3394..3489, 3398..3487, 3465..3533, 3465..3533, 3481..3540, 3482..3535, 3647..3688, 3648..3707, 3648..3707, 3649..3708, 3820..3900, 3820..3903, 3821..3901, 3822..3914, 3996..4274, 3999..4226, 4003..4272, 4003..4278, 4345..4407, 4345..4407, 4346..4408, 4367..4390, 4573..4641, 4583..4642		

Seq. No.	11246	Seq. ID	OJ990810_12.9A14.C8
Gene No.	23880	Strand	-
Start	88	End	4645
Name	OJ990810_12.9A14.C8.o1.ts	Method	TBLASTX:Soybean
Start	2510	End	4642
GI	none	Score	63
Exons	2510..2623, 2539..2625, 2542..2610, 2702..2797, 2703..2795, 2705..2797, 2882..2977, 2886..2969, 2891..2974, 3068..3178, 3073..3189, 3077..3172, 3261..3323, 3262..3333, 3394..3489, 3398..3487, 3463..3534, 3465..3533, 3490..3540, 3648..3707, 3649..3708, 3649..3708, 3820..3906, 3821..3898, 3995..4210, 3996..4226, 3996..4274, 3998..4303, 4066..4272, 4345..4407, 4346..4408, 4573..4638, 4583..4642		

Seq. No.	11246	Seq. ID	OJ990810_12.9A14.C8
Gene No.	23880	Strand	-
Start	88	End	4645
Name	OJ990810_12.9A14.C8.o1.tc	Method	TBLASTX:Cress
Start	2527	End	4642
GI	none	Score	89
Exons	2527..2610, 2528..2611, 2699..2806, 2700..2795, 2882..2977, 2895..2969, 3073..3189, 3077..3172, 3261..3323, 3262..3336, 3394..3489, 3395..3487, 3463..3534, 3465..3533, 3648..3707, 3649..3708, 3820..3903, 3821..3901, 3996..4274, 3998..4285, 3999..4223, 4066..4272, 4345..4407, 4346..4408, 4573..4638, 4583..4642		

Seq. No.	11246	Seq. ID	OJ990810_12.9A14.C8
Gene No.	23880	Strand	-
Start	88	End	4645
Name	OJ990810_12.9A14.C8.o1.np	Method	AAT/NAP
Start	2530	End	4645
GI	1170714	Score	1338
Exons	2530..2609, 2695..2797, 2885..2968, 3076..3171, 3264..3314, 3394..3533, 3651..3707, 3823..3897, 3999..4271, 4345..4404, 4582..4645		
GI Descrip.	SHAGGY RELATED PROTEIN KINASE ASK-GAMMA gi|541850|pir||S41597 protein kinase ASK-gamma (EC 2.7.1.-) - Arabidopsis thaliana gi|456509|emb|CAA53180| (X75431) ASK-gamma (Arabidopsis shaggy-related kinase) [Arabidopsis thaliana] gi|2059329|emb|CAA73247| (Y12710) shaggy-like kinase gamma [Arabidopsis thaliana] gi|6714397|gb|AAF26086.1|AC012393_12 (AC012393) shaggy relat		

Seq. No.	11246	Seq. ID	OJ990810_12.9A14.C8
Gene No.	23880	Strand	-
Start	88	End	4645
Name	OJ990810_12.9A14.C8.o1.tw	Method	TBLASTX:Wheat
Start	2702	End	3189
GI	none	Score	92
Exons	2702..2797, 2703..2780, 2867..2977, 2888..2974, 3073..3189, 3074..3172, 3076..3177		

Seq. No.	11246	Seq. ID	OJ990810_12.9A14.C8
Gene No.	23880	Strand	-
Start	88	End	4645
Name	OJ990810_12.9A14.C8.o3.gp	Method	AAT/GAP
Start	3854	End	4645
GI	36453_1.R1084	Score	776
Exons	3854..3897, 3999..4271, 4345..4404, 4582..4645		
GI Descrip.	'1709128/sp|P51138|MSK2_MEDSA 3.0e-58 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-2 >gi_481019_pir__S37643 protein kinase MSK-2 (EC 2.7.1.-) - alfalfa >gi_313146_emb_CAA48473_ (X68410) protein kinase [Medicago sativa]'		

Seq. No.	11246	Seq. ID	OJ990810_12.9A14.C8
Gene No.	23880	Strand	-
Start	88	End	4645
Name	OJ990810_12.9A14.C8.o2.tw	Method	TBLASTX:Wheat
Start	3996	End	4632

GI	none	Score	112
Exons	3996..4274, 3999..4226, 4003..4272, 4003..4278, 4343..4405, 4345..4407, 4346..4405, 4573..4632		

Seq. No.	11247	Seq. ID	OJ990810_12.9A14.C9
Gene No.	23881	Strand	+
Start	1	End	8131
Name	OJ990810_12.9A14.C9.o1.np	Method	AAT/NAP
Start	1	End	5762
GI	5734762	Score	430
Exons	1..21, 3467..4058, 4262..4547, 5726..5762		
GI Descrip.	(AC007651) Similar to leucine-rich receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	11247	Seq. ID	OJ990810_12.9A14.C9
Gene No.	23881	Strand	+
Start	1	End	8131
Name	OJ990810_12.9A14.C9.o1.gs	Method	GENSCAN
Start	1024	End	7473
GI	none	Score	.64
Exons	1024..1422, 1448..2007, 2122..2248, 2963..3161, 3393..4058, 4262..4438, 5564..5703, 5789..5917, 6046..6090, 6383..6448, 7330..7473		

Seq. No.	11247	Seq. ID	OJ990810_12.9A14.C9
Gene No.	23881	Strand	+
Start	1	End	8131
Name	OJ990810_12.9A14.C9.o2.np	Method	AAT/NAP
Start	5769	End	8131
GI	2583127	Score	311
Exons	5769..5933, 6185..6279, 6383..6479, 6899..7185, 7311..7415, 8027..8131		
GI Descrip.	(AC002387) putative O-sialoglycoprotein endopeptidase [Arabidopsis thaliana]		

Seq. No.	11247	Seq. ID	OJ990810_12.9A14.C9
Gene No.	23882	Strand	-
Start	1	End	1604
Name	OJ990810_12.9A14.C9.o1.gp	Method	AAT/GAP
Start	1	End	1604
GI	none	Score	782
Exons	1..110, 1296..1604		

Seq. No.	11247	Seq. ID	OJ990810_12.9A14.C9
Gene No.	23883	Strand	
Start	3458	End	4341
Name	OJ990810_12.9A14.C9.o1.tm	Method	TBLASTX:Maize
Start	3458	End	4341
GI	none	Score	121
Exons	3458..3646, 3662..3805, 3830..4003, 4022..4057, 4261..4341		

Seq. No.	11247	Seq. ID	OJ990810_12.9A14.C9
Gene No.	23883	Strand	
Start	3458	End	4341
Name	OJ990810_12.9A14.C9.o1.ts	Method	TBLASTX:Soybean
Start	3488	End	4314
GI	none	Score	455

Exons	3488..4057, 3820..4056, 4260..4313, 4261..4314		
Seq. No.	11247	Seq. ID	OJ990810_12.9A14.C9
Gene No.	23883	Strand	
Start	3458	End	4341
Name	OJ990810_12.9A14.C9.o1.tc	Method	TBLASTX:Cress
Start	3662	End	4062
GI	none	Score	355
Exons	3662..4060, 3664..4062		
Seq. No.	11247	Seq. ID	OJ990810_12.9A14.C9
Gene No.	23883	Strand	
Start	3458	End	4341
Name	OJ990810_12.9A14.C9.o1.tw	Method	TBLASTX:Wheat
Start	3662	End	4057
GI	none	Score	256
Exons	3662..4057		
Seq. No.	11247	Seq. ID	OJ990810_12.9A14.C9
Gene No.	23884	Strand	
Start	4260	End	4545
Name	OJ990810_12.9A14.C9.o2.tc	Method	TBLASTX:Cress
Start	4260	End	4545
GI	none	Score	150
Exons	4260..4364, 4261..4395, 4372..4545		
Seq. No.	11248	Seq. ID	OJ990810_12.9A14.C10
Gene No.	23885	Strand	+
Start	1	End	1078
Name	OJ990810_12.9A14.C10.o1.np	Method	AAT/NAP
Start	1	End	1078
GI	2583127	Score	104
Exons	1..41, 791..902, 1050..1078		
GI Descrip.	(AC002387) putative O-sialoglycoprotein endopeptidase [Arabidopsis thaliana]		
Seq. No.	11248	Seq. ID	OJ990810_12.9A14.C10
Gene No.	23885	Strand	+
Start	1	End	1078
Name	OJ990810_12.9A14.C10.o1.gp	Method	AAT/GAP
Start	188	End	704
GI	uC-osflcyp071d01b1	Score	980
Exons	188..704		
GI Descrip.	'2583127 6.0e-10 (AC002387) putative sialoglycoprotease [Arabidopsis thaliana]'		
Seq. No.	11248	Seq. ID	OJ990810_12.9A14.C10
Gene No.	23886	Strand	+
Start	1316	End	1379
Name	OJ990810_12.9A14.C10.o2.gp	Method	AAT/GAP
Start	1316	End	1379
GI	2800773	Score	94
Exons	1316..1379		
GI Descrip.	2583127 6.0e-10 (AC002387) putative sialoglycoprotease [Arabidopsis thaliana]		
Seq. No.	11248	Seq. ID	OJ990810_12.9A14.C10

Gene No.	23887	Strand	-
Start	312	End	881
Name	OJ990810_12.9A14.C10.o1.gs	Method	GENSCAN
Start	312	End	881
GI	none	Score	.87
Exons	312..451, 797..881		

Seq. No.	11248	Seq. ID	OJ990810_12.9A14.C10
Gene No.	23888	Strand	
Start	787	End	943
Name	OJ990810_12.9A14.C10.o1.tm	Method	TBLASTX:Maize
Start	787	End	943
GI	none	Score	180
Exons	787..942, 788..943		

Seq. No.	11249	Seq. ID	OJ990810_12.9A14.C11
Gene No.	23889	Strand	+
Start	1	End	1003
Name	OJ990810_12.9A14.C11.o1.np	Method	AAT/NAP
Start	1	End	961
GI	4539660	Score	1207
Exons	1..961		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	11249	Seq. ID	OJ990810_12.9A14.C11
Gene No.	23889	Strand	+
Start	1	End	1003
Name	OJ990810_12.9A14.C11.o2.tm	Method	TBLASTX:Maize
Start	2	End	172
GI	none	Score	244
Exons	2..172, 4..168		

Seq. No.	11249	Seq. ID	OJ990810_12.9A14.C11
Gene No.	23889	Strand	+
Start	1	End	1003
Name	OJ990810_12.9A14.C11.o1.tw	Method	TBLASTX:Wheat
Start	5	End	616
GI	none	Score	682
Exons	5..616, 46..615		

Seq. No.	11249	Seq. ID	OJ990810_12.9A14.C11
Gene No.	23889	Strand	+
Start	1	End	1003
Name	OJ990810_12.9A14.C11.o1.gs	Method	GENSCAN
Start	98	End	970
GI	none	Score	.44
Exons	98..970		

Seq. No.	11249	Seq. ID	OJ990810_12.9A14.C11
Gene No.	23889	Strand	+
Start	1	End	1003
Name	OJ990810_12.9A14.C11.o1.tm	Method	TBLASTX:Maize
Start	173	End	757
GI	none	Score	223
Exons	173..331, 175..327, 201..335, 328..756, 329..757	269..472, 324..473, 328..687,	

Seq. No.	11249	Seq. ID	OJ990810_12.9A14.C11
Gene No.	23889	Strand	+
Start	1	End	1003
Name	OJ990810_12.9A14.C11.o2.tw	Method	TBLASTX:Wheat
Start	616	End	949
GI	none	Score	362
Exons	616..840, 617..949		

Seq. No.	11249	Seq. ID	OJ990810_12.9A14.C11
Gene No.	23889	Strand	+
Start	1	End	1003
Name	OJ990810_12.9A14.C11.o3.tm	Method	TBLASTX:Maize
Start	757	End	1003
GI	none	Score	181
Exons	757..885, 758..1003		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23890	Strand	+
Start	3470	End	10220
Name	OJ990810_12.9A14.C14.o1.gp	Method	AAT/GAP
Start	3203	End	3401
GI	none	Score	383
Exons	3203..3401		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23890	Strand	+
Start	3470	End	10220
Name	OJ990810_12.9A14.C14.o2.gs	Method	GENSCAN
Start	3470	End	9796
GI	none	Score	.4
Exons	3470..3628, 4359..4529, 4615..4850, 4946..5450, 6468..6609, 6622..6772, 6911..7207, 7506..7737, 7983..8072, 8894..8948, 9564..9796		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23890	Strand	+
Start	3470	End	10220
Name	OJ990810_12.9A14.C14.o1.np	Method	AAT/NAP
Start	3502	End	5525
GI	3643085	Score	997
Exons	3502..3616, 4374..4529, 4615..4850, 4946..5525		
GI Descrip.	(AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23890	Strand	+
Start	3470	End	10220
Name	OJ990810_12.9A14.C14.o2.gp	Method	AAT/GAP
Start	4621	End	5253
GI	19563_1.R1084	Score	1040
Exons	4621..4850, 4946..5253		
GI Descrip.	'3643085/gb|AAC36698| 1.0e-62 (AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]'		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23890	Strand	+
Start	3470	End	10220

Name	OJ990810_12.9A14.C14.o2.np	Method	AAT/NAP
Start	5584	End	10220
GI	6573736	Score	63
Exons	5584..5632, 7969..8066, 8249..8320, 8372..8530, 8738..8798, 8905..8935, 10151..10220		
GI Descrip.	(AC009398) F20B24.10 [Arabidopsis thaliana]		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23891	Strand	-
Start	609	End	2490
Name	OJ990810_12.9A14.C14.o1.gs	Method	GENSCAN
Start	609	End	2490
GI	none	Score	.79
Exons	609..749, 915..1300, 1340..1478, 2466..2490		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23892	Strand	-
Start	5279	End	5734
Name	OJ990810_12.9A14.C14.o1.ts	Method	TBLASTX:Soybean
Start	4352	End	5564
GI	none	Score	206
Exons	4352..4408, 4383..4532, 4385..4534, 4387..4566, 4606..4851, 4614..4682, 4618..4794, 4809..4868, 4943..5197, 4944..5396, 4955..5395, 5439..5564		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23892	Strand	-
Start	5279	End	5734
Name	OJ990810_12.9A14.C14.o1.tm	Method	TBLASTX:Maize
Start	4364	End	5616
GI	none	Score	231
Exons	4364..4534, 4377..4532, 4382..4534, 4605..4703, 4606..4851, 4614..4682, 4618..4794, 4943..5341, 4944..5339, 5313..5396, 5327..5395, 5328..5396, 5429..5524, 5432..5524, 5433..5531, 5576..5608, 5576..5608, 5578..5616		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23892	Strand	-
Start	5279	End	5734
Name	OJ990810_12.9A14.C14.o1.tc	Method	TBLASTX:Cress
Start	4809	End	5450
GI	none	Score	49
Exons	4809..4847, 4816..4851, 4944..5450, 4958..5395		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23892	Strand	-
Start	5279	End	5734
Name	OJ990810_12.9A14.C14.o1.tw	Method	TBLASTX:Wheat
Start	4994	End	5343
GI	none	Score	560
Exons	4994..5341, 5010..5342, 5010..5342, 5272..5343		

Seq. No.	11250	Seq. ID	OJ990810_12.9A14.C14
Gene No.	23892	Strand	-
Start	5279	End	5734
Name	OJ990810_12.9A14.C14.o3.gp	Method	AAT/GAP
Start	5279	End	5734

GI	uC-osrocyp036f07a1	Score	889
Exons	5279..5734		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	11251	Seq. ID	OJ990810_12.9A14.C15
Gene No.	23893	Strand	-
Start	615	End	2042
Name	OJ990810_12.9A14.C15.o1.gs	Method	GENSCAN
Start	615	End	2042
GI	none	Score	.92
Exons	615..758, 875..973, 1068..1140, 1225..1335, 1430..1603, 1711..2042		

Seq. No.	11251	Seq. ID	OJ990810_12.9A14.C15
Gene No.	23893	Strand	-
Start	615	End	2042
Name	OJ990810_12.9A14.C15.o1.tw	Method	TBLASTX:Wheat
Start	1266	End	1784
GI	none	Score	62
Exons	1266..1337, 1435..1617, 1442..1567, 1704..1784		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16
Gene No.	23894	Strand	-
Start	1	End	4104
Name	OJ990810_12.9A14.C16.o1.np	Method	AAT/NAP
Start	1	End	4104
GI	5257279	Score	5069
Exons	1..2344, 2976..3211, 3560..4104		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16
Gene No.	23895	Strand	-
Start	4915	End	5438
Name	OJ990810_12.9A14.C16.o2.tw	Method	TBLASTX:Wheat
Start	31	End	432
GI	none	Score	253
Exons	31..432, 146..430		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16
Gene No.	23895	Strand	-
Start	4915	End	5438
Name	OJ990810_12.9A14.C16.o1.tm	Method	TBLASTX:Maize
Start	94	End	594
GI	none	Score	45
Exons	94..429, 140..187, 212..343, 412..594		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16
Gene No.	23895	Strand	-
Start	4915	End	5438
Name	OJ990810_12.9A14.C16.o1.ts	Method	TBLASTX:Soybean
Start	145	End	540
GI	none	Score	244
Exons	145..504, 146..502, 175..510, 508..540, 509..538, 511..540		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16

Gene No.	23895	Strand	-
Start	4915	End	5438
Name	OJ990810_12.9A14.C16.o1.tw	Method	TBLASTX:Wheat
Start	481	End	963
GI	none	Score	95
Exons	481..963, 485..628, 490..843, 656..952		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16
Gene No.	23895	Strand	-
Start	4915	End	5438
Name	OJ990810_12.9A14.C16.o1.tc	Method	TBLASTX:Cress
Start	517	End	834
GI	none	Score	188
Exons	517..834		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16
Gene No.	23895	Strand	-
Start	4915	End	5438
Name	OJ990810_12.9A14.C16.o2.tm	Method	TBLASTX:Maize
Start	662	End	954
GI	none	Score	48
Exons	662..691, 664..954, 734..952		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16
Gene No.	23895	Strand	-
Start	4915	End	5438
Name	OJ990810_12.9A14.C16.o4.tw	Method	TBLASTX:Wheat
Start	1135	End	5410
GI	none	Score	90
Exons	1135..1257, 1136..1246, 1141..1293, 1291..1512, 1391..1513, 5342..5410		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16
Gene No.	23895	Strand	-
Start	4915	End	5438
Name	OJ990810_12.9A14.C16.o3.tm	Method	TBLASTX:Maize
Start	1193	End	1518
GI	none	Score	64
Exons	1193..1327, 1195..1518, 1370..1471		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16
Gene No.	23895	Strand	-
Start	4915	End	5438
Name	OJ990810_12.9A14.C16.o3.tw	Method	TBLASTX:Wheat
Start	2065	End	2451
GI	none	Score	107
Exons	2065..2211, 2236..2451, 2246..2428		

Seq. No.	11252	Seq. ID	OJ990810_12.9A14.C16
Gene No.	23895	Strand	-
Start	4915	End	5438
Name	OJ990810_12.9A14.C16.o1.gp	Method	AAT/GAP
Start	4915	End	5438
GI	LIB3434-038-P1-K1-F1	Score	752
Exons	4915..5438		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11253	Seq. ID	OJ990810_12.9A14.C17
Gene No.	23896	Strand	+
Start	930	End	4982
Name	OJ990810_12.9A14.C17.o2.np	Method	AAT/NAP
Start	930	End	4982
GI	4680203	Score	416
Exons	930..1013, 4500..4982		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11253	Seq. ID	OJ990810_12.9A14.C17
Gene No.	23896	Strand	+
Start	930	End	4982
Name	OJ990810_12.9A14.C17.o1.gs	Method	GENSCAN
Start	1387	End	1688
GI	none	Score	.99
Exons	1387..1535, 1598..1688		

Seq. No.	11253	Seq. ID	OJ990810_12.9A14.C17
Gene No.	23896	Strand	+
Start	930	End	4982
Name	OJ990810_12.9A14.C17.o1.gp	Method	AAT/GAP
Start	3052	End	3323
GI	2310235	Score	406
Exons	3052..3323		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	11253	Seq. ID	OJ990810_12.9A14.C17
Gene No.	23897	Strand	-
Start	1	End	3518
Name	OJ990810_12.9A14.C17.o1.np	Method	AAT/NAP
Start	1	End	3518
GI	4680204	Score	719
Exons	1..110, 1098..1792, 2325..3518		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	11253	Seq. ID	OJ990810_12.9A14.C17
Gene No.	23898	Strand	-
Start	4622	End	5039
Name	OJ990810_12.9A14.C17.o2.tw	Method	TBLASTX:Wheat
Start	2475	End	2875
GI	none	Score	84
Exons	2475..2507, 2511..2567, 2605..2772, 2637..2873, 2679..2873, 2735..2875, 2765..2875		

Seq. No.	11253	Seq. ID	OJ990810_12.9A14.C17
Gene No.	23898	Strand	-
Start	4622	End	5039
Name	OJ990810_12.9A14.C17.o1.tw	Method	TBLASTX:Wheat
Start	4524	End	4928
GI	none	Score	74
Exons	4524..4568, 4528..4563, 4571..4684, 4575..4634, 4613..4753, 4614..4754, 4767..4847, 4836..4928		

Seq. No.	11253	Seq. ID	OJ990810_12.9A14.C17
Gene No.	23898	Strand	-

Start	4622	End	5039
Name	OJ990810_12.9A14.C17.o2.gp	Method	AAT/GAP
Start	4622	End	5039
GI	LIB3431-028-P1-N1-A10	Score	832
Exons	4622..5039		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	11254	Seq. ID	OJ990810_12.9A14.C18
Gene No.	23899	Strand	+
Start	84	End	3454
Name	OJ990810_12.9A14.C18.o1.gs	Method	GENSCAN
Start	84	End	3263
GI	none	Score	.75
Exons	84..185, 296..472, 599..634, 913..1034, 1047..1100, 1203..1298, 1377..1451, 2086..2160, 2254..2476, 2570..3263		

Seq. No.	11254	Seq. ID	OJ990810_12.9A14.C18
Gene No.	23899	Strand	+
Start	84	End	3454
Name	OJ990810_12.9A14.C18.o1.np	Method	AAT/NAP
Start	1064	End	3454
GI	4467124	Score	428
Exons	1064..1084, 2318..2476, 2537..3263, 3378..3454		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11254	Seq. ID	OJ990810_12.9A14.C18
Gene No.	23899	Strand	+
Start	84	End	3454
Name	OJ990810_12.9A14.C18.o1.tw	Method	TBLASTX:Wheat
Start	2798	End	3124
GI	none	Score	180
Exons	2798..3124, 2980..3123		

Seq. No.	11254	Seq. ID	OJ990810_12.9A14.C18
Gene No.	23899	Strand	+
Start	84	End	3454
Name	OJ990810_12.9A14.C18.o1.tc	Method	TBLASTX:Cress
Start	2903	End	3264
GI	none	Score	231
Exons	2903..3262, 3010..3261, 3154..3264		

Seq. No.	11254	Seq. ID	OJ990810_12.9A14.C18
Gene No.	23899	Strand	+
Start	84	End	3454
Name	OJ990810_12.9A14.C18.o1.tm	Method	TBLASTX:Maize
Start	2957	End	3454
GI	none	Score	264
Exons	2957..3262, 3058..3261, 3371..3454, 3377..3454		

Seq. No.	11254	Seq. ID	OJ990810_12.9A14.C18
Gene No.	23899	Strand	+
Start	84	End	3454
Name	OJ990810_12.9A14.C18.o1.ts	Method	TBLASTX:Soybean
Start	3017	End	3454
GI	none	Score	266
Exons	3017..3262, 3053..3235, 3055..3261, 3377..3454		

Seq. No.	11255	Seq. ID	OJ990810_12.9A14.C19
Gene No.	23900	Strand	-
Start	24	End	2810
Name	OJ990810_12.9A14.C19.o1.gs	Method	GENSCAN
Start	24	End	2810
GI	none	Score	.67
Exons	24..95, 250..414, 490..1254, 1670..1728, 2009..2086, 2296..2810		

Seq. No.	11256	Seq. ID	OJ990810_12.9A14.C20
Gene No.	23901	Strand	-
Start	1343	End	1934
Name	OJ990810_12.9A14.C20.o1.gs	Method	GENSCAN
Start	1343	End	1934
GI	none	Score	.75
Exons	1343..1477, 1544..1595, 1741..1757, 1786..1934		

Seq. No.	11257	Seq. ID	OJ990810_12.9A14.C21
Gene No.	23902	Strand	+
Start	1623	End	1897
Name	OJ990810_12.9A14.C21.o1.np	Method	AAT/NAP
Start	1623	End	1897
GI	6539588	Score	138
Exons	1623..1897		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	11257	Seq. ID	OJ990810_12.9A14.C21
Gene No.	23903	Strand	+
Start	4432	End	5163
Name	OJ990810_12.9A14.C21.o2.np	Method	AAT/NAP
Start	4432	End	5163
GI	3645899	Score	402
Exons	4432..5163		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	11257	Seq. ID	OJ990810_12.9A14.C21
Gene No.	23903	Strand	+
Start	4432	End	5163
Name	OJ990810_12.9A14.C21.o1.tm	Method	TBLASTX:Maize
Start	4854	End	5163
GI	none	Score	230
Exons	4854..4883, 4858..5163, 4914..5150		

Seq. No.	11258	Seq. ID	OJ990810_12.9A14.C22
Gene No.	23904	Strand	-
Start	1	End	708
Name	OJ990810_12.9A14.C22.o1.np	Method	AAT/NAP
Start	1	End	708
GI	4539660	Score	809
Exons	1..708		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	11258	Seq. ID	OJ990810_12.9A14.C22
Gene No.	23904	Strand	-
Start	1	End	708
Name	OJ990810_12.9A14.C22.o2.tw	Method	TBLASTX:Wheat
Start	1	End	208

GI	none	Score	78
Exons	1..165, 1..204, 8..208		
Seq. No.	11258	Seq. ID	OJ990810_12.9A14.C22
Gene No.	23904	Strand	-
Start	1	End	708
Name	OJ990810_12.9A14.C22.o1.tm	Method	TBLASTX:Maize
Start	76	End	367
GI	none	Score	252
Exons	76..366, 80..367		
Seq. No.	11258	Seq. ID	OJ990810_12.9A14.C22
Gene No.	23904	Strand	-
Start	1	End	708
Name	OJ990810_12.9A14.C22.o1.ts	Method	TBLASTX:Soybean
Start	169	End	415
GI	none	Score	155
Exons	169..414, 170..415		
Seq. No.	11258	Seq. ID	OJ990810_12.9A14.C22
Gene No.	23904	Strand	-
Start	1	End	708
Name	OJ990810_12.9A14.C22.o1.tc	Method	TBLASTX:Cress
Start	190	End	507
GI	none	Score	116
Exons	190..333, 191..331, 334..507, 386..499		
Seq. No.	11258	Seq. ID	OJ990810_12.9A14.C22
Gene No.	23904	Strand	-
Start	1	End	708
Name	OJ990810_12.9A14.C22.o1.tw	Method	TBLASTX:Wheat
Start	217	End	705
GI	none	Score	277
Exons	217..705, 218..589		
Seq. No.	11258	Seq. ID	OJ990810_12.9A14.C22
Gene No.	23904	Strand	-
Start	1	End	708
Name	OJ990810_12.9A14.C22.o1.gs	Method	GENSCAN
Start	324	End	655
GI	none	Score	.45
Exons	324..655		
Seq. No.	11259	Seq. ID	OJ990830_17.9A21.C1
Gene No.	23905	Strand	+
Start	1	End	1250
Name	OJ990830_17.9A21.C1.o1.np	Method	AAT/NAP
Start	1	End	1250
GI	5091513	Score	1279
Exons	1..1250		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	11259	Seq. ID	OJ990830_17.9A21.C1
Gene No.	23905	Strand	+
Start	1	End	1250
Name	OJ990830_17.9A21.C1.o1.gs	Method	GENSCAN
Start	92	End	1237

GI	none	Score	.61
Exons	92..877, 879..970, 1035..1237		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23906	Strand	+
Start	1	End	4223
Name	OJ990830_17.9A21.C2.o2.np	Method	AAT/NAP
Start	1	End	4223
GI	4567319	Score	1330
Exons	1..324, 2425..2661, 2756..2941, 3245..3386, 3473..3741, 3848..3929, 4092..4223		
GI Descrip.	(AC005956) putative copper amine oxidase [Arabidopsis thaliana]		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23907	Strand	+
Start	4528	End	5509
Name	OJ990830_17.9A21.C2.o3.np	Method	AAT/NAP
Start	4528	End	5509
GI	6907106	Score	375
Exons	4528..4835, 4899..5261, 5339..5509		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23908	Strand	-
Start	1	End	1546
Name	OJ990830_17.9A21.C2.o1.np	Method	AAT/NAP
Start	1	End	1465
GI	5295971	Score	778
Exons	1..991, 1047..1465		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23908	Strand	-
Start	1	End	1546
Name	OJ990830_17.9A21.C2.o1.gs	Method	GENSCAN
Start	368	End	1546
GI	none	Score	.93
Exons	368..1546		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23909	Strand	-
Start	4422	End	7270
Name	OJ990830_17.9A21.C2.o4.tm	Method	TBLASTX:Maize
Start	338	End	667
GI	none	Score	75
Exons	338..478, 338..484, 476..667		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23909	Strand	-
Start	4422	End	7270
Name	OJ990830_17.9A21.C2.o2.tm	Method	TBLASTX:Maize
Start	704	End	980
GI	none	Score	103
Exons	704..865, 780..866, 915..980, 916..966		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23909	Strand	-
Start	4422	End	7270
Name	OJ990830_17.9A21.C2.o1.tm	Method	TBLASTX:Maize
Start	2411	End	4136
GI	none	Score	141
Exons	2411..2554, 2421..2663, 2425..2661, 2734..2922, 2738..2944, 2755..2943, 3234..3308, 3240..3320, 3241..3321, 3242..3322, 3306..3392, 3341..3388, 3472..3747, 3473..3742, 3478..3744, 3479..3757, 3480..3758, 3844..3924, 3847..3924, 3848..3928, 3848..3928, 3849..3929, 4059..4136, 4073..4135		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23909	Strand	-
Start	4422	End	7270
Name	OJ990830_17.9A21.C2.o1.ts	Method	TBLASTX:Soybean
Start	2421	End	4136
GI	none	Score	426
Exons	2421..2663, 2425..2661, 2498..2668, 2738..2944, 2755..2943, 3242..3322, 3244..3366, 3252..3338, 3306..3392, 3316..3393, 3345..3392, 3472..3762, 3473..3742, 3475..3744, 3847..3924, 3848..3928, 3849..3929, 4073..4135, 4074..4136		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23909	Strand	-
Start	4422	End	7270
Name	OJ990830_17.9A21.C2.o1.tc	Method	TBLASTX:Cress
Start	2571	End	3703
GI	none	Score	136
Exons	2571..2657, 2572..2661, 2681..2944, 2755..2943, 2838..2945, 3242..3322, 3244..3321, 3306..3392, 3331..3393, 3332..3394, 3472..3597, 3473..3598, 3476..3619, 3596..3634, 3650..3703, 3650..3703		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23909	Strand	-
Start	4422	End	7270
Name	OJ990830_17.9A21.C2.o2.tw	Method	TBLASTX:Wheat
Start	2616	End	2931
GI	none	Score	88
Exons	2616..2669, 2620..2661, 2734..2922, 2738..2929, 2755..2931		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23909	Strand	-
Start	4422	End	7270
Name	OJ990830_17.9A21.C2.o1.tw	Method	TBLASTX:Wheat
Start	3234	End	3691
GI	none	Score	131
Exons	3234..3308, 3242..3322, 3242..3310, 3243..3323, 3244..3327, 3306..3392, 3316..3393, 3319..3387, 3341..3391, 3472..3690, 3473..3691		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23909	Strand	-
Start	4422	End	7270
Name	OJ990830_17.9A21.C2.o3.gs	Method	GENSCAN

Start	4422	End	7270
GI	none	Score	.47
Exons	4422..4534, 4558..5086, 5116..5525, 5708..5865, 7110..7270		

Seq. No.	11260	Seq. ID	OJ990830_17.9A21.C2
Gene No.	23909	Strand	-
Start	4422	End	7270
Name	OJ990830_17.9A21.C2.o3.tm	Method	TBLASTX:Maize
Start	5062	End	5411
GI	none	Score	73
Exons	5062..5142, 5078..5122, 5082..5159, 5117..5191, 5118..5183, 5130..5222, 5138..5218, 5162..5206, 5203..5250, 5223..5258, 5224..5259, 5224..5259, 5261..5335, 5261..5317, 5318..5410, 5319..5411		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23910	Strand	+
Start	1476	End	2644
Name	OJ990830_17.9A21.C4.o1.gs	Method	GENSCAN
Start	1476	End	2644
GI	none	Score	.87
Exons	1476..1598, 2558..2644		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23911	Strand	+
Start	3981	End	4599
Name	OJ990830_17.9A21.C4.o1.gp	Method	AAT/GAP
Start	3800	End	4599
GI	none	Score	1014
Exons	3800..4147, 4385..4599		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23911	Strand	+
Start	3981	End	4599
Name	OJ990830_17.9A21.C4.o2.gs	Method	GENSCAN
Start	3981	End	4544
GI	none	Score	.74
Exons	3981..4147, 4385..4544		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23912	Strand	+
Start	17127	End	17678
Name	OJ990830_17.9A21.C4.o3.gp	Method	AAT/GAP
Start	17127	End	17678
GI	none	Score	1008
Exons	17127..17678		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23913	Strand	-
Start	3086	End	14570
Name	OJ990830_17.9A21.C4.o1.np	Method	AAT/NAP
Start	3086	End	9039
GI	2979554	Score	591
Exons	3086..3118, 7157..7279, 7306..7388, 7504..7653, 7836..7953, 8090..8188, 8269..8334, 8415..8471, 8547..8635, 8732..8800, 8986..9039		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23913	Strand	-
Start	3086	End	14570
Name	OJ990830_17.9A21.C4.o3.gs	Method	GENSCAN
Start	5442	End	9047
GI	none	Score	.66
Exons	5442..5871, 5988..6191, 7161..7279, 7504..7549, 7654..7696, 8987..9047		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23913	Strand	-
Start	3086	End	14570
Name	OJ990830_17.9A21.C4.o2.np	Method	AAT/NAP
Start	8656	End	11663
GI	6815062	Score	427
Exons	8656..8703, 10511..11663		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23913	Strand	-
Start	3086	End	14570
Name	OJ990830_17.9A21.C4.o4.gs	Method	GENSCAN
Start	9480	End	14570
GI	none	Score	.61
Exons	9480..10211, 10381..11685, 11789..12066, 13282..13316, 14200..14282, 14309..14477, 14482..14570		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23913	Strand	-
Start	3086	End	14570
Name	OJ990830_17.9A21.C4.o2.gp	Method	AAT/GAP
Start	10564	End	10996
GI	4968607	Score	736
Exons	10564..10996		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o2.ts	Method	TBLASTX:Soybean
Start	7157	End	7548
GI	none	Score	117
Exons	7157..7252, 7158..7250, 7359..7388, 7501..7548		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o6.tm	Method	TBLASTX:Maize
Start	7157	End	7587
GI	none	Score	112
Exons	7157..7252, 7158..7244, 7251..7277, 7307..7360, 7308..7358, 7359..7388, 7501..7587, 7501..7587		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-

Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o2.tc	Method	TBLASTX:Cress
Start	8127	End	8606
GI	none	Score	44
Exons	8127..8186, 8141..8188, 8266..8337, 8272..8337, 8273..8362, 8412..8471, 8416..8472, 8547..8606, 8551..8604		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o2.tm	Method	TBLASTX:Maize
Start	9893	End	10212
GI	none	Score	429
Exons	9893..10159, 9894..10202, 9895..10203, 9896..10204, 9985..10212		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o4.tm	Method	TBLASTX:Maize
Start	10369	End	10584
GI	none	Score	219
Exons	10369..10584, 10379..10582		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o5.tm	Method	TBLASTX:Maize
Start	10600	End	11196
GI	none	Score	102
Exons	10600..10803, 10786..10947, 10993..11073, 11101..11196		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o3.tm	Method	TBLASTX:Maize
Start	11508	End	11993
GI	none	Score	197
Exons	11508..11687, 11509..11688, 11512..11688, 11516..11731, 11789..11851, 11790..11852, 11857..11988, 11877..11993		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o1.ts	Method	TBLASTX:Soybean
Start	14884	End	15204
GI	none	Score	77
Exons	14884..14946, 14886..14942, 14973..15188, 14983..15204, 15006..15197		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o1.tc	Method	TBLASTX:Cress
Start	14889	End	15255
GI	none	Score	310
Exons	14889..14930, 14896..15255, 14896..15234, 14994..15254		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o1.tm	Method	TBLASTX:Maize
Start	14977	End	16362
GI	none	Score	296
Exons	14977..15246, 14983..15246, 14990..15247, 15603..15965, 15630..15965, 15631..15966, 15632..15967, 16236..16307, 16249..16308, 16306..16362		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o7.tm	Method	TBLASTX:Maize
Start	17506	End	17681
GI	none	Score	185
Exons	17506..17676, 17533..17676, 17535..17681, 17535..17681		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o5.gs	Method	GENSCAN
Start	17535	End	17673
GI	none	Score	.98
Exons	17535..17673		

Seq. No.	11261	Seq. ID	OJ990830_17.9A21.C4
Gene No.	23914	Strand	-
Start	17535	End	17681
Name	OJ990830_17.9A21.C4.o3.np	Method	AAT/NAP
Start	17544	End	17680
GI	6714455	Score	70
Exons	17544..17680		
GI Descrip.	(AC011620) unknown protein [Arabidopsis thaliana]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23915	Strand	+
Start	3980	End	10613
Name	OJ990830_17.9A21.C5.o2.np	Method	AAT/NAP
Start	3966	End	9484
GI	3193291	Score	1619
Exons	3966..4226, 4276..4610, 4802..4957, 5018..5768, 6658..6845, 7453..7532, 7668..7741, 7916..7981, 8681..8784, 8865..9046, 9329..9484		
GI Descrip.	(AF069298) Similar to DNA mismatch repair protein; T14P8.6 [Arabidopsis thaliana]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23915	Strand	+
Start	3980	End	10613
Name	OJ990830_17.9A21.C5.o2.gs	Method	GENSCAN
Start	3980	End	10613
GI	none	Score	.86
Exons	3980..4663, 4802..6028, 6407..6657, 6745..6871, 7668..7741, 7916..7981, 8681..8784, 8865..9046, 9329..9428, 10185..10257, 10466..10613		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23916	Strand	+
Start	12774	End	23198
Name	OJ990830_17.9A21.C5.o2.gp	Method	AAT/GAP
Start	12687	End	12945
GI	uC-osflm202113c04b1	Score	436
Exons	12687..12945		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23916	Strand	+
Start	12774	End	23198
Name	OJ990830_17.9A21.C5.o3.gs	Method	GENSCAN
Start	12774	End	20414
GI	none	Score	.74
Exons	12774..12917, 13050..13241, 13679..13800, 14045..14105, 14680..14820, 15240..15342, 16043..16228, 16385..16633, 17434..17591, 17775..18205, 18626..18686, 18948..20414		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23916	Strand	+
Start	12774	End	23198
Name	OJ990830_17.9A21.C5.o5.gp	Method	AAT/GAP
Start	18235	End	18342
GI	5816518	Score	161
Exons	18235..18342		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23916	Strand	+
Start	12774	End	23198
Name	OJ990830_17.9A21.C5.o6.gp	Method	AAT/GAP
Start	18235	End	18547
GI	72524_1.R1084	Score	419
Exons	18235..18547		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23916	Strand	+
Start	12774	End	23198
Name	OJ990830_17.9A21.C5.o3.np	Method	AAT/NAP
Start	18983	End	22518
GI	5091513	Score	2606
Exons	18983..20225, 21047..22094, 22144..22518		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23916	Strand	+
Start	12774	End	23198
Name	OJ990830_17.9A21.C5.o4.np	Method	AAT/NAP
Start	19136	End	23196
GI	5091513	Score	2583
Exons	19136..20304, 21038..22084, 22314..22398, 23117..23196		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23916	Strand	+
Start	12774	End	23198
Name	OJ990830_17.9A21.C5.o5.gs	Method	GENSCAN
Start	22326	End	23198
GI	none	Score	.53
Exons	22326..22536, 22909..23198		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23917	Strand	+
Start	23697	End	28864
Name	OJ990830_17.9A21.C5.o6.np	Method	AAT/NAP
Start	23697	End	26085
GI	5080788	Score	363
Exons	23697..23748, 25255..25590, 25811..26085		
GI Descrip.	(AC007576) Very similar to adventitious rooting related oxygenase [Arabidopsis thaliana]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23917	Strand	+
Start	23697	End	28864
Name	OJ990830_17.9A21.C5.o6.gs	Method	GENSCAN
Start	25037	End	28864
GI	none	Score	.67
Exons	25037..25101, 25275..25590, 25811..25918, 26483..26753, 28367..28604, 28672..28864		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23918	Strand	+
Start	29487	End	29935
Name	OJ990830_17.9A21.C5.o10.gp	Method	AAT/GAP
Start	29487	End	29935
GI	none	Score	889
Exons	29487..29935		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23919	Strand	+
Start	36322	End	41369
Name	OJ990830_17.9A21.C5.o8.gs	Method	GENSCAN
Start	36322	End	41369
GI	none	Score	.8
Exons	36322..36373, 36670..36837, 37131..37202, 38204..38232, 38637..38959, 39085..39226, 39570..39648, 39742..39866, 40476..40577, 40687..40755, 41232..41369		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23919	Strand	+
Start	36322	End	41369
Name	OJ990830_17.9A21.C5.o8.np	Method	AAT/NAP
Start	38718	End	41366
GI	6862953	Score	1071
Exons	38718..38825, 38862..38959, 39085..39226, 39570..39648, 39742..39866, 40476..40577, 40687..40755, 40841..40939, 41232..41366		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23920	Strand	+
Start	41364	End	41522
Name	OJ990830_17.9A21.C5.o11.gp	Method	AAT/GAP
Start	41364	End	41522
GI	none	Score	265
Exons	41364..41522		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23921	Strand	+
Start	42679	End	44596
Name	OJ990830_17.9A21.C5.o12.gp	Method	AAT/GAP
Start	42626	End	44596
GI	18112_1.R1084	Score	1723
Exons	42626..42893, 42991..43097, 43935..44116, 44211..44596		
GI Descrip.	'464621/sp|P34091|RL6_MESCR 6.0e-65 60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) >gi_280374_pir__S28586 ribosomal protein ML16 - common ice plant >gi_19539_emb_CAA49175_ (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]'		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23921	Strand	+
Start	42679	End	44596
Name	OJ990830_17.9A21.C5.o9.np	Method	AAT/NAP
Start	42647	End	44363
GI	464621	Score	652
Exons	42647..42893, 42991..43097, 43935..44116, 44211..44363		
GI Descrip.	60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) gi|280374|pir||S28586 ribosomal protein ML16 - common ice plant gi|19539|emb|CAA49175| (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23921	Strand	+
Start	42679	End	44596
Name	OJ990830_17.9A21.C5.o9.gs	Method	GENSCAN
Start	42679	End	44366
GI	none	Score	.83
Exons	42679..42893, 42991..43097, 43935..44116, 44211..44366		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23922	Strand	-
Start	58	End	772
Name	OJ990830_17.9A21.C5.o1.np	Method	AAT/NAP
Start	58	End	661
GI	6714455	Score	163
Exons	58..267, 592..661		
GI Descrip.	(AC011620) unknown protein [Arabidopsis thaliana]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23922	Strand	-
Start	58	End	772
Name	OJ990830_17.9A21.C5.o1.gp	Method	AAT/GAP
Start	173	End	772
GI	none	Score	477
Exons	173..266, 592..772		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5

Gene No.	23923	Strand	-
Start	17047	End	17419
Name	OJ990830_17.9A21.C5.o4.gp	Method	AAT/GAP
Start	17047	End	17419
GI	3763160	Score	675
Exons	17047..17419		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23924	Strand	-
Start	21391	End	22210
Name	OJ990830_17.9A21.C5.o5.np	Method	AAT/NAP
Start	21391	End	22210
GI	5091512	Score	1024
Exons	21391..21811, 21859..21986, 22028..22210		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23925	Strand	-
Start	24779	End	25090
Name	OJ990830_17.9A21.C5.o7.gp	Method	AAT/GAP
Start	24779	End	24884
GI	5816518	Score	154
Exons	24779..24884		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23925	Strand	-
Start	24779	End	25090
Name	OJ990830_17.9A21.C5.o8.gp	Method	AAT/GAP
Start	24779	End	25090
GI	72524_1.R1084	Score	417
Exons	24779..25090		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23926	Strand	-
Start	28124	End	28472
Name	OJ990830_17.9A21.C5.o9.gp	Method	AAT/GAP
Start	28124	End	28472
GI	366_4.R1084	Score	635
Exons	28124..28472		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23927	Strand	-
Start	29485	End	35704
Name	OJ990830_17.9A21.C5.o7.gs	Method	GENSCAN
Start	29485	End	35704
GI	none	Score	.75
Exons	29485..29874, 29982..30104, 30196..30884, 31581..31767, 32013..32063, 32147..32312, 32703..33187, 33712..33982, 34253..34337, 35656..35704		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23927	Strand	-
Start	29485	End	35704
Name	OJ990830_17.9A21.C5.o7.np	Method	AAT/NAP
Start	29754	End	33166
GI	2702277	Score	1373
Exons	29754..30500, 30543..30956, 31620..31806, 32013..32063, 32147..32312, 32703..33166		
GI Descrip.	(AC003033) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o10.tm	Method	TBLASTX:Maize
Start	3991	End	4183
GI	none	Score	264
Exons	3991..4182, 3992..4183		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o4.tm	Method	TBLASTX:Maize
Start	4527	End	5138
GI	none	Score	106
Exons	4527..4613, 4532..4618, 4533..4616, 4546..4644, 4787..5119, 4788..5138		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o12.tm	Method	TBLASTX:Maize
Start	6581	End	7532
GI	none	Score	73
Exons	6581..6658, 6583..6660, 6591..6662, 6743..6877, 6743..6874, 6744..6878, 6744..6878, 7451..7525, 7458..7532, 7463..7531		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o7.ts	Method	TBLASTX:Soybean
Start	8712	End	9418
GI	none	Score	63
Exons	8712..8789, 8741..8776, 8864..8896, 8879..9049, 8894..9049, 9326..9418, 9349..9408		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o9.tm	Method	TBLASTX:Maize
Start	8861	End	9438
GI	none	Score	287
Exons	8861..9049, 8861..9049, 9326..9427, 9326..9427, 9328..9429, 9328..9438		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-

Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o9.ts	Method	TBLASTX:Soybean
Start	13164	End	14834
GI	none	Score	65
Exons	13164..13232, 13652..13801, 13676..13801, 13677..13817, 13678..13809, 14043..14129, 14680..14823, 14694..14834, 14696..14812		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o2.tw	Method	TBLASTX:Wheat
Start	15238	End	16233
GI	none	Score	108
Exons	15238..15345, 15239..15346, 15250..15348, 15264..15350, 15985..16233, 15999..16229		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o8.tm	Method	TBLASTX:Maize
Start	16405	End	16632
GI	none	Score	298
Exons	16405..16632, 16405..16620, 16407..16631		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o6.ts	Method	TBLASTX:Soybean
Start	17867	End	25410
GI	5753428	Score	259
Exons	17867..18190, 17868..18215, 25354..25410		
GI Descrip.	3492806/emb_CAA12386_ 2.0e-54 (AJ225045) adventitious rooting related oxygenase [Malus domestica]		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o6.tm	Method	TBLASTX:Maize
Start	17874	End	18206
GI	none	Score	393
Exons	17874..18206, 17874..17924, 17960..18205		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o11.tm	Method	TBLASTX:Maize
Start	25411	End	26040
GI	none	Score	37
Exons	25411..25443, 25416..25442, 25442..25492, 25447..25590, 25447..25590, 25795..25956, 25811..25948, 25963..26040		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o1.tm	Method	TBLASTX:Maize
Start	29725	End	30790

GI	none	Score	124
Exons	29725..29820, 29733..29831, 29808..29984, 29869..29976, 29991..30047, 30004..30048, 30027..30104, 30052..30105, 30196..30402, 30204..30410, 30206..30406, 30274..30648, 30491..30553, 30595..30777, 30604..30774, 30608..30790		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o8.ts	Method	TBLASTX:Soybean
Start	30227	End	30774
GI	none	Score	68
Exons	30227..30370, 30229..30420, 30418..30501, 30697..30774		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o7.tm	Method	TBLASTX:Maize
Start	30791	End	32822
GI	none	Score	83
Exons	30791..30886, 30791..30886, 30792..30908, 31387..31497, 31397..31504, 31397..31504, 31416..31505, 31599..31802, 31606..31803, 31624..31806, 31625..31807, 32011..32064, 32013..32066, 32013..32066, 32144..32314, 32144..32314, 32146..32316, 32684..32821, 32703..32822		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o4.ts	Method	TBLASTX:Soybean
Start	31438	End	31808
GI	none	Score	56
Exons	31438..31494, 31439..31495, 31566..31799, 31579..31806, 31580..31807, 31590..31808		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o2.tm	Method	TBLASTX:Maize
Start	32822	End	33220
GI	none	Score	409
Exons	32822..33220, 32825..33169, 32826..33170		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o1.ts	Method	TBLASTX:Soybean
Start	32840	End	33167
GI	none	Score	285
Exons	32840..33166, 32841..33167, 32841..33167		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o3.tc	Method	TBLASTX:Cress
Start	38760	End	39779
GI	none	Score	73

Exons	38760..38825, 38907..38960, 39079..39225, 39083..39226, 39546..39641, 39569..39646, 39738..39779		
Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o3.tw	Method	TBLASTX:Wheat
Start	38760	End	39211
GI	none	Score	98
Exons	38760..38828, 38768..38827, 38907..38972, 38909..38971, 39085..39159, 39086..39178, 39129..39170, 39170..39211, 39179..39211		
Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o5.tm	Method	TBLASTX:Maize
Start	38763	End	41447
GI	none	Score	89
Exons	38763..38822, 38768..38821, 38903..38953, 38904..38960, 39082..39225, 39083..39226, 39086..39226, 39549..39647, 39568..39648, 39569..39646, 39717..39869, 39719..39862, 39741..39881, 40469..40573, 40473..40580, 40475..40573, 40650..40757, 40684..40758, 40684..40755, 40686..40757, 40833..40940, 40840..40938, 40841..40942, 41227..41379, 41227..41361, 41388..41447		
Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o5.ts	Method	TBLASTX:Soybean
Start	38766	End	39647
GI	none	Score	66
Exons	38766..38825, 38907..38960, 39082..39225, 39083..39226, 39548..39646, 39549..39647		
Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o2.ts	Method	TBLASTX:Soybean
Start	39761	End	40936
GI	none	Score	142
Exons	39761..39856, 39762..39875, 40470..40580, 40472..40576, 40473..40577, 40683..40757, 40684..40758, 40805..40927, 40840..40932, 40841..40936		
Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o2.tc	Method	TBLASTX:Cress
Start	40464	End	40909
GI	none	Score	186
Exons	40464..40580, 40464..40580, 40469..40582, 40684..40761, 40684..40755, 40686..40757, 40826..40894, 40840..40905, 40841..40909		
Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5

Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o3.tm	Method	TBLASTX:Maize
Start	42672	End	44495
GI	none	Score	136
Exons	42672..42773, 42678..42785, 42679..42897, 42988..43092, 42988..43098, 42989..43099, 43930..44073, 43931..44116, 43938..44120, 43939..44121, 44208..44369, 44210..44365, 44211..44366, 44293..44385, 44391..44441, 44406..44495, 44414..44440, 44446..44493		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o3.ts	Method	TBLASTX:Soybean
Start	42694	End	44366
GI	none	Score	105
Exons	42694..42780, 42726..42785, 42826..42897, 42988..43098, 42989..43099, 43931..44116, 43933..44073, 43938..44117, 43951..44118, 44210..44365, 44216..44347, 44223..44366, 44223..44366		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o1.tc	Method	TBLASTX:Cress
Start	42697	End	44420
GI	none	Score	111
Exons	42697..42786, 42826..42897, 42988..43098, 42989..43099, 43931..44116, 43933..44052, 43935..44060, 44217..44420, 44225..44353		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o1.tw	Method	TBLASTX:Wheat
Start	44012	End	44496
GI	none	Score	141
Exons	44012..44116, 44012..44041, 44034..44129, 44035..44118, 44208..44435, 44210..44365, 44210..44440, 44211..44405, 44293..44436, 44415..44495, 44437..44496		

Seq. No.	11262	Seq. ID	OJ990830_17.9A21.C5
Gene No.	23928	Strand	-
Start	46556	End	49140
Name	OJ990830_17.9A21.C5.o10.gs	Method	GENSCAN
Start	46556	End	49140
GI	none	Score	.52
Exons	46556..46784, 46823..47042, 47422..47738, 48307..48360, 49097..49140		

Seq. No.	11263	Seq. ID	OJ990830_17.9A21.C6
Gene No.	23929	Strand	+
Start	333	End	4687
Name	OJ990830_17.9A21.C6.o1.gs	Method	GENSCAN
Start	333	End	4687
GI	none	Score	.53

Exons	333..337, 522..651, 1085..1144, 1939..2030, 2158..2277, 2831..2951, 3623..3813, 3915..4066, 4605..4687		
Seq. No.	11263	Seq. ID	OJ990830_17.9A21.C6
Gene No.	23930	Strand	-
Start	6193	End	12288
Name	OJ990830_17.9A21.C6.o1.tm	Method	TBLASTX:Maize
Start	1093	End	3138
GI	none	Score	154
Exons	1093..1146, 1933..2031, 1936..2031, 1937..2098, 1937..2038, 1947..2039, 2205..2276, 2210..2293, 2213..2278, 2376..2441, 2378..2443, 2635..2658, 2636..2656, 2654..2728, 2656..2727, 2815..2928, 2826..2963, 2828..2947, 2832..2951, 3082..3138		
Seq. No.	11263	Seq. ID	OJ990830_17.9A21.C6
Gene No.	23930	Strand	-
Start	6193	End	12288
Name	OJ990830_17.9A21.C6.o2.tm	Method	TBLASTX:Maize
Start	5959	End	6364
GI	none	Score	46
Exons	5959..5988, 5961..5987, 6080..6112, 6092..6112, 6186..6359, 6187..6354, 6188..6364		
Seq. No.	11263	Seq. ID	OJ990830_17.9A21.C6
Gene No.	23930	Strand	-
Start	6193	End	12288
Name	OJ990830_17.9A21.C6.o2.gs	Method	GENSCAN
Start	6193	End	12288
GI	none	Score	.66
Exons	6193..6636, 8992..9261, 9911..10143, 10451..10639, 12042..12288		
Seq. No.	11264	Seq. ID	OJ990830_17.9A21.C7
Gene No.	23931	Strand	-
Start	2531	End	5279
Name	OJ990830_17.9A21.C7.o1.np	Method	AAT/NAP
Start	2531	End	5279
GI	2130154	Score	101
Exons	2531..2619, 3892..4064, 5227..5279		
GI Descrip.	hypothetical protein 241 - maize chloroplast gi|902268|emb|CAA60333| (X86563) ORF241 [Zea mays] gi|902303|emb|CAA60367| (X86563) ORF241 [Zea mays]		
Seq. No.	11265	Seq. ID	OJ990330_09.9A15.C1
Gene No.	23932	Strand	-
Start	150	End	252
Name	OJ990330_09.9A15.C1.o1.gs	Method	GENSCAN
Start	150	End	252
GI	none	Score	.56
Exons	150..252		
Seq. No.	11266	Seq. ID	OJ990330_09.9A15.C3
Gene No.	23933	Strand	+
Start	1	End	1654
Name	OJ990330_09.9A15.C3.o1.np	Method	AAT/NAP
Start	1	End	1575
GI	2696032	Score	170
Exons	1..220, 1489..1575		

GI Descrip. (AB009395) alternative oxidase [Catharanthus roseus]

Seq. No.	11266	Seq. ID	OJ990330_09.9A15.C3
Gene No.	23933	Strand	+
Start	1	End	1654
Name	OJ990330_09.9A15.C3.o1.gs	Method	GENSCAN
Start	26	End	1654
GI	none	Score	.59
Exons	26..207, 1534..1654		

Seq. No.	11266	Seq. ID	OJ990330_09.9A15.C3
Gene No.	23934	Strand	+
Start	4126	End	5154
Name	OJ990330_09.9A15.C3.o1.ts	Method	TBLASTX:Soybean
Start	16	End	219
GI	none	Score	52
Exons	16..69, 20..55, 80..217, 113..214, 115..219		

Seq. No.	11266	Seq. ID	OJ990330_09.9A15.C3
Gene No.	23934	Strand	+
Start	4126	End	5154
Name	OJ990330_09.9A15.C3.o1.tc	Method	TBLASTX:Cress
Start	20	End	220
GI	none	Score	53
Exons	20..70, 28..216, 80..220		

Seq. No.	11266	Seq. ID	OJ990330_09.9A15.C3
Gene No.	23934	Strand	+
Start	4126	End	5154
Name	OJ990330_09.9A15.C3.o2.gs	Method	GENSCAN
Start	4126	End	5154
GI	none	Score	.86
Exons	4126..4291, 4610..5154		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23935	Strand	+
Start	1	End	12214
Name	OJ990330_09.9A15.C4.o1.np	Method	AAT/NAP
Start	1	End	1938
GI	6056194	Score	410
Exons	1..810, 1920..1938		

GI Descrip. (AC009400) unknown protein [Arabidopsis thaliana]

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23935	Strand	+
Start	1	End	12214
Name	OJ990330_09.9A15.C4.o1.gs	Method	GENSCAN
Start	59	End	829
GI	none	Score	.79
Exons	59..661, 668..829		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23935	Strand	+
Start	1	End	12214
Name	OJ990330_09.9A15.C4.o2.np	Method	AAT/NAP
Start	1367	End	12211
GI	126401	Score	2193

Exons	1367..1407, 2930..2974, 8911..9203, 10067..12211		
GI Descrip.	LIPOXYGENASE L-2 gi|100690|pir||S23454 lipoxygenase (EC 1.13.11.12) L-2 - rice gi|20267|emb|CAA45738| (X64396) lipoxygenase [Oryza sativa]		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23935	Strand	+
Start	1	End	12214
Name	OJ990330_09.9A15.C4.o2.gs	Method	GENSCAN
Start	2809	End	5908
GI	none	Score	.68
Exons	2809..2974, 4855..4971, 5811..5908		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23935	Strand	+
Start	1	End	12214
Name	OJ990330_09.9A15.C4.o4.gs	Method	GENSCAN
Start	8928	End	12214
GI	none	Score	.9
Exons	8928..9203, 10067..12214		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23936	Strand	-
Start	4456	End	5078
Name	OJ990330_09.9A15.C4.o1.gp	Method	AAT/GAP
Start	4456	End	5078
GI	3761363	Score	996
Exons	4456..5078		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23937	Strand	-
Start	5651	End	6384
Name	OJ990330_09.9A15.C4.o2.gp	Method	AAT/GAP
Start	5651	End	6384
GI	101153_1.R1084	Score	351
Exons	5651..5904, 6351..6384		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23938	Strand	-
Start	6677	End	8026
Name	OJ990330_09.9A15.C4.o3.gs	Method	GENSCAN
Start	6677	End	8026
GI	none	Score	.4
Exons	6677..6930, 7218..7397, 7577..7762, 7948..8026		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23939	Strand	-
Start	8552	End	8768
Name	OJ990330_09.9A15.C4.o3.tm	Method	TBLASTX:Maize
Start	10	End	358
GI	none	Score	247
Exons	10..357, 35..358		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23939	Strand	-
Start	8552	End	8768
Name	OJ990330_09.9A15.C4.o2.ts	Method	TBLASTX:Soybean
Start	35	End	715
GI	none	Score	258
Exons	35..502, 37..372, 398..715		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23939	Strand	-
Start	8552	End	8768
Name	OJ990330_09.9A15.C4.o2.tc	Method	TBLASTX:Cress
Start	38	End	370
GI	none	Score	230
Exons	38..370, 40..294, 317..370		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23939	Strand	-
Start	8552	End	8768
Name	OJ990330_09.9A15.C4.o2.tm	Method	TBLASTX:Maize
Start	430	End	754
GI	none	Score	273
Exons	430..663, 431..658, 632..736, 653..754		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23939	Strand	-
Start	8552	End	8768
Name	OJ990330_09.9A15.C4.o3.gp	Method	AAT/GAP
Start	8552	End	8768
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	8552..8577, 8689..8768		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23940	Strand	
Start	9032	End	12241
Name	OJ990330_09.9A15.C4.o1.ts	Method	TBLASTX:Soybean
Start	9032	End	12220
GI	none	Score	125
Exons	9032..9154, 9033..9170, 10069..10101, 10070..10141, 10150..10218, 10151..10216, 10228..10266, 10229..10336, 10352..10372, 10550..10708, 10577..10750, 10627..10737, 10745..10819, 10838..11035, 10960..11034, 11018..11455, 11066..11443, 11086..11457, 11477..12142, 11483..11776, 11620..11799, 11929..12141, 12140..12220		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23940	Strand	
Start	9032	End	12241
Name	OJ990330_09.9A15.C4.o1.tc	Method	TBLASTX:Cress
Start	9033	End	12223
GI	none	Score	110
Exons	9033..9170, 10064..10138, 10070..10138, 10150..10212, 10151..10213, 10223..10324, 10225..10266, 10355..10420, 10471..10524, 10472..10525, 10580..10750, 10630..10734,		

10754..10843, 10844..10927, 10846..10926, 10951..11034,
10952..11035, 11095..11400, 11096..11401, 11399..11455,
11477..12079, 11483..11770, 11620..12078, 12095..12154,
12140..12223, 12172..12219

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23940	Strand	
Start	9032	End	12241
Name	OJ990330_09.9A15.C4.o3.tw	Method	TBLASTX:Wheat
Start	10487	End	10912
GI	none	Score	50
Exons	10487..10525, 10559..10750, 10559..10744, 10751..10843, 10838..10912, 10846..10911		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23940	Strand	
Start	9032	End	12241
Name	OJ990330_09.9A15.C4.o1.tm	Method	TBLASTX:Maize
Start	10619	End	12241
GI	none	Score	108
Exons	10619..10750, 10751..10834, 10853..11038, 10855..10920, 11078..11395, 11096..11368, 11402..11824, 11402..11788, 11626..11823, 11716..11865, 11864..12055, 12134..12241, 12166..12213		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23940	Strand	
Start	9032	End	12241
Name	OJ990330_09.9A15.C4.o1.tw	Method	TBLASTX:Wheat
Start	10937	End	11418
GI	none	Score	100
Exons	10937..11035, 10960..11034, 11098..11418, 11099..11416, 11302..11418		

Seq. No.	11267	Seq. ID	OJ990330_09.9A15.C4
Gene No.	23940	Strand	
Start	9032	End	12241
Name	OJ990330_09.9A15.C4.o2.tw	Method	TBLASTX:Wheat
Start	11467	End	11859
GI	none	Score	39
Exons	11467..11535, 11594..11776, 11597..11857, 11611..11835, 11647..11859		

Seq. No.	11268	Seq. ID	OJ990330_09.9A15.C5
Gene No.	23941	Strand	+
Start	1	End	5469
Name	OJ990330_09.9A15.C5.o1.np	Method	AAT/NAP
Start	1	End	1764
GI	6671941	Score	120
Exons	1..584, 1657..1764		
GI Descrip.	(AC016795) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11268	Seq. ID	OJ990330_09.9A15.C5
Gene No.	23941	Strand	+
Start	1	End	5469
Name	OJ990330_09.9A15.C5.o1.gs	Method	GENSCAN
Start	132	End	5469

GI	none	Score	.79
Exons	132..671, 2288..2314, 2405..2677, 5443..5469		

Seq. No.	11268	Seq. ID	OJ990330_09.9A15.C5
Gene No.	23942	Strand	-
Start	2712	End	3191
Name	OJ990330_09.9A15.C5.o1.gp	Method	AAT/GAP
Start	2712	End	3191
GI	uC-osflcyp080g01a1	Score	940
Exons	2712..3191		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11268	Seq. ID	OJ990330_09.9A15.C5
Gene No.	23943	Strand	-
Start	6302	End	7714
Name	OJ990330_09.9A15.C5.o2.gs	Method	GENSCAN
Start	6302	End	7714
GI	none	Score	.59
Exons	6302..6502, 6694..6827, 7052..7175, 7634..7714		

Seq. No.	11268	Seq. ID	OJ990330_09.9A15.C5
Gene No.	23944	Strand	-
Start	12113	End	16535
Name	OJ990330_09.9A15.C5.o1.ts	Method	TBLASTX:Soybean
Start	252	End	554
GI	none	Score	58
Exons	252..305, 387..554, 399..554		

Seq. No.	11268	Seq. ID	OJ990330_09.9A15.C5
Gene No.	23944	Strand	-
Start	12113	End	16535
Name	OJ990330_09.9A15.C5.o1.tm	Method	TBLASTX:Maize
Start	369	End	2477
GI	none	Score	201
Exons	369..554, 396..554, 406..576, 407..580, 572..625, 2247..2315, 2247..2315, 2402..2437, 2403..2477		

Seq. No.	11268	Seq. ID	OJ990330_09.9A15.C5
Gene No.	23944	Strand	-
Start	12113	End	16535
Name	OJ990330_09.9A15.C5.o3.gs	Method	GENSCAN
Start	12113	End	16535
GI	none	Score	.83
Exons	12113..12219, 12293..12496, 16520..16535		

Seq. No.	11269	Seq. ID	OJ990330_09.9A15.C6
Gene No.	23945	Strand	+
Start	1	End	932
Name	OJ990330_09.9A15.C6.o1.np	Method	AAT/NAP
Start	1	End	932
GI	3451069	Score	345
Exons	1..605, 642..932		
GI Descrip.	(AL031326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11269	Seq. ID	OJ990330_09.9A15.C6
Gene No.	23945	Strand	+

Start	1	End	932
Name	OJ990330_09.9A15.C6.o1.gs	Method	GENSCAN
Start	97	End	882
GI	none	Score	.69
Exons	97..882		

Seq. No.	11270	Seq. ID	OJ990330_09.9A15.C7
Gene No.	23946	Strand	+
Start	28	End	744
Name	OJ990330_09.9A15.C7.o1.gs	Method	GENSCAN
Start	28	End	744
GI	none	Score	1
Exons	28..744		

Seq. No.	11270	Seq. ID	OJ990330_09.9A15.C7
Gene No.	23947	Strand	-
Start	2299	End	4030
Name	OJ990330_09.9A15.C7.o2.gs	Method	GENSCAN
Start	2299	End	4030
GI	none	Score	.88
Exons	2299..2373, 3014..3070, 3959..4030		

Seq. No.	11271	Seq. ID	OJ990330_09.9A15.C8
Gene No.	23948	Strand	-
Start	1	End	1180
Name	OJ990330_09.9A15.C8.o1.np	Method	AAT/NAP
Start	1	End	1180
GI	5902445	Score	929
Exons	1..656, 696..1180		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11271	Seq. ID	OJ990330_09.9A15.C8
Gene No.	23948	Strand	-
Start	1	End	1180
Name	OJ990330_09.9A15.C8.o1.gs	Method	GENSCAN
Start	12	End	1065
GI	none	Score	.52
Exons	12..244, 443..1065		

Seq. No.	11271	Seq. ID	OJ990330_09.9A15.C8
Gene No.	23948	Strand	-
Start	1	End	1180
Name	OJ990330_09.9A15.C8.o1.tw	Method	TBLASTX:Wheat
Start	153	End	536
GI	none	Score	97
Exons	153..536, 154..303, 219..497, 340..528		

Seq. No.	11271	Seq. ID	OJ990330_09.9A15.C8
Gene No.	23948	Strand	-
Start	1	End	1180
Name	OJ990330_09.9A15.C8.o1.tm	Method	TBLASTX:Maize
Start	234	End	536
GI	none	Score	160
Exons	234..536, 235..519		

Seq. No.	11271	Seq. ID	OJ990330_09.9A15.C8
Gene No.	23948	Strand	-

Start	1	End	1180
Name	OJ990330_09.9A15.C8.o2.tw	Method	TBLASTX:Wheat
Start	741	End	1046
GI	none	Score	103
Exons	741..1046, 745..1044		

Seq. No.	11271	Seq. ID	OJ990330_09.9A15.C8
Gene No.	23948	Strand	-
Start	1	End	1180
Name	OJ990330_09.9A15.C8.o2.tm	Method	TBLASTX:Maize
Start	822	End	1065
GI	none	Score	69
Exons	822..1064, 961..1065		

Seq. No.	11272	Seq. ID	OJ990330_09.9A15.C9
Gene No.	23949	Strand	+
Start	148	End	855
Name	OJ990330_09.9A15.C9.o1.gs	Method	GENSCAN
Start	148	End	855
GI	none	Score	.76
Exons	148..590, 600..855		

Seq. No.	11273	Seq. ID	OJ990330_09.9A15.C10
Gene No.	23950	Strand	-
Start	331	End	981
Name	OJ990330_09.9A15.C10.o1.gs	Method	GENSCAN
Start	331	End	981
GI	none	Score	.74
Exons	331..582, 606..798, 833..981		

Seq. No.	11274	Seq. ID	OJ990330_09.9A15.C12
Gene No.	23951	Strand	+
Start	222	End	2540
Name	OJ990330_09.9A15.C12.o1.gs	Method	GENSCAN
Start	222	End	2540
GI	none	Score	.89
Exons	222..2540		

Seq. No.	11274	Seq. ID	OJ990330_09.9A15.C12
Gene No.	23951	Strand	+
Start	222	End	2540
Name	OJ990330_09.9A15.C12.o1.np	Method	AAT/NAP
Start	222	End	2370
GI	6016874	Score	1705
Exons	222..300, 384..521, 586..818, 1209..1368, 1762..1941, 2059..2370		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	11274	Seq. ID	OJ990330_09.9A15.C12
Gene No.	23951	Strand	+
Start	222	End	2540
Name	OJ990330_09.9A15.C12.o1.tm	Method	TBLASTX:Maize
Start	570	End	1016
GI	none	Score	69
Exons	570..656, 641..850, 642..890, 927..983, 978..1016		

Seq. No.	11274	Seq. ID	OJ990330_09.9A15.C12
Gene No.	23951	Strand	+
Start	222	End	2540
Name	OJ990330_09.9A15.C12.o1.gp	Method	AAT/GAP
Start	911	End	1419
GI	uC-osflcyp110c07b1	Score	970
Exons	911..1419		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	11274	Seq. ID	OJ990330_09.9A15.C12
Gene No.	23951	Strand	+
Start	222	End	2540
Name	OJ990330_09.9A15.C12.o2.tm	Method	TBLASTX:Maize
Start	1110	End	1424
GI	none	Score	65
Exons	1110..1184, 1197..1424, 1205..1423		

Seq. No.	11274	Seq. ID	OJ990330_09.9A15.C12
Gene No.	23951	Strand	+
Start	222	End	2540
Name	OJ990330_09.9A15.C12.o3.tm	Method	TBLASTX:Maize
Start	1629	End	2113
GI	none	Score	240
Exons	1629..1910, 1640..1981, 2024..2113		

Seq. No.	11275	Seq. ID	OJ990330_09.9A15.C13
Gene No.	23952	Strand	+
Start	1	End	170
Name	OJ990330_09.9A15.C13.o1.np	Method	AAT/NAP
Start	1	End	170
GI	6016874	Score	100
Exons	1..170		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	11275	Seq. ID	OJ990330_09.9A15.C13
Gene No.	23953	Strand	
Start	774	End	1067
Name	OJ990330_09.9A15.C13.o1.tw	Method	TBLASTX:Wheat
Start	774	End	1067
GI	none	Score	258
Exons	774..1058, 811..1035, 815..1036, 828..1067		

Seq. No.	11275	Seq. ID	OJ990330_09.9A15.C13
Gene No.	23954	Strand	
Start	1358	End	1640
Name	OJ990330_09.9A15.C13.o1.tm	Method	TBLASTX:Maize
Start	1358	End	1640
GI	none	Score	71
Exons	1358..1513, 1358..1636, 1359..1640		

Seq. No.	11276	Seq. ID	OJ990330_09.9A15.C17
Gene No.	23955	Strand	-
Start	141	End	240

Name	OJ990330_09.9A15.C17.o1.gs	Method	GENSCAN
Start	141	End	240
GI	none	Score	.62
Exons	141..158, 211..240		

Seq. No.	11277	Seq. ID	OJ990330_09.9A15.C18
Gene No.	23956	Strand	-
Start	214	End	580
Name	OJ990330_09.9A15.C18.o1.gs	Method	GENSCAN
Start	214	End	580
GI	none	Score	.7
Exons	214..386, 451..580		

Seq. No.	11278	Seq. ID	OJ990330_09.9A15.C28
Gene No.	23957	Strand	+
Start	244	End	739
Name	OJ990330_09.9A15.C28.o1.gs	Method	GENSCAN
Start	244	End	739
GI	none	Score	.99
Exons	244..553, 600..739		

Seq. No.	11278	Seq. ID	OJ990330_09.9A15.C28
Gene No.	23958	Strand	+
Start	1591	End	1775
Name	OJ990330_09.9A15.C28.o2.gs	Method	GENSCAN
Start	1591	End	1775
GI	none	Score	.76
Exons	1591..1775		

Seq. No.	11279	Seq. ID	OJ990330_09.9A15.C29
Gene No.	23959	Strand	+
Start	1	End	195
Name	OJ990330_09.9A15.C29.o1.np	Method	AAT/NAP
Start	1	End	195
GI	6721512	Score	98
Exons	1..195		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11279	Seq. ID	OJ990330_09.9A15.C29
Gene No.	23960	Strand	+
Start	259	End	4048
Name	OJ990330_09.9A15.C29.o1.gs	Method	GENSCAN
Start	259	End	4048
GI	none	Score	.75
Exons	259..352, 998..1126, 1223..1380, 1444..1660, 1827..1951, 2274..2332, 2402..3163, 3287..3432, 3528..4048		

Seq. No.	11279	Seq. ID	OJ990330_09.9A15.C29
Gene No.	23960	Strand	+
Start	259	End	4048
Name	OJ990330_09.9A15.C29.o2.np	Method	AAT/NAP
Start	1027	End	3045
GI	6721558	Score	250
Exons	1027..1126, 1827..1951, 2054..2129, 2915..3045		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11279	Seq. ID	OJ990330_09.9A15.C29
Gene No.	23960	Strand	+
Start	259	End	4048
Name	OJ990330_09.9A15.C29.o3.np	Method	AAT/NAP
Start	1551	End	3164
GI	6721561	Score	994
Exons	1551..1586, 1985..2203, 2274..2332, 2402..3164		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11279	Seq. ID	OJ990330_09.9A15.C29
Gene No.	23961	Strand	-
Start	4670	End	5209
Name	OJ990330_09.9A15.C29.o4.np	Method	AAT/NAP
Start	4670	End	5209
GI	5902445	Score	427
Exons	4670..5209		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11279	Seq. ID	OJ990330_09.9A15.C29
Gene No.	23961	Strand	-
Start	4670	End	5209
Name	OJ990330_09.9A15.C29.o1.tw	Method	TBLASTX:Wheat
Start	4679	End	5140
GI	none	Score	62
Exons	4679..4810, 4680..4805, 4835..5140, 5031..5108		

Seq. No.	11279	Seq. ID	OJ990330_09.9A15.C29
Gene No.	23961	Strand	-
Start	4670	End	5209
Name	OJ990330_09.9A15.C29.o1.tm	Method	TBLASTX:Maize
Start	4715	End	4963
GI	none	Score	148
Exons	4715..4798, 4799..4963		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23962	Strand	+
Start	2669	End	5991
Name	OJ990330_09.9A15.C30.o2.np	Method	AAT/NAP
Start	2669	End	5991
GI	6721512	Score	74
Exons	2669..2692, 4284..4375, 5943..5991		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23963	Strand	-
Start	1	End	4790
Name	OJ990330_09.9A15.C30.o1.np	Method	AAT/NAP
Start	1	End	4790
GI	5922631	Score	1425
Exons	1..579, 1187..2005, 2123..2374, 2417..2844, 4134..4205, 4499..4578, 4770..4790		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a		

region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23963	Strand	-
Start	1	End	4790
Name	OJ990330_09.9A15.C30.o1.gs	Method	GENSCAN
Start	13	End	4328
GI	none	Score	.66
Exons	13..270, 361..645, 704..1123, 1211..2383, 2408..3484, 3600..4328		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23964	Strand	-
Start	5105	End	5941
Name	OJ990330_09.9A15.C30.o2.gs	Method	GENSCAN
Start	5105	End	5941
GI	none	Score	.5
Exons	5105..5397, 5824..5941		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-
Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o1.ts	Method	TBLASTX:Soybean
Start	118	End	519
GI	none	Score	93
Exons	118..519, 359..493		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-
Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o2.tw	Method	TBLASTX:Wheat
Start	173	End	597
GI	none	Score	262
Exons	173..496, 175..597, 208..552, 441..557		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-
Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o2.tm	Method	TBLASTX:Maize
Start	271	End	654
GI	none	Score	120
Exons	271..654, 272..493		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-
Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o1.tm	Method	TBLASTX:Maize
Start	683	End	1039
GI	none	Score	208
Exons	683..1039, 711..977, 737..985		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-

Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o1.tw	Method	TBLASTX:Wheat
Start	713	End	1169
GI	none	Score	358
Exons	713..1168, 714..1169		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-
Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o2.ts	Method	TBLASTX:Soybean
Start	764	End	1129
GI	none	Score	109
Exons	764..898, 905..1129		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-
Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o3.tw	Method	TBLASTX:Wheat
Start	1318	End	1816
GI	none	Score	88
Exons	1318..1371, 1361..1597, 1479..1595, 1634..1816, 1635..1808		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-
Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o4.tw	Method	TBLASTX:Wheat
Start	2447	End	9550
GI	none	Score	105
Exons	2447..2722, 2448..2702, 2681..2794, 2691..2783, 2795..2839, 9437..9550		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-
Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o3.tm	Method	TBLASTX:Maize
Start	2564	End	2800
GI	none	Score	188
Exons	2564..2800		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-
Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o3.np	Method	AAT/NAP
Start	8983	End	9089
GI	5042463	Score	44
Exons	8983..9089		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	11280	Seq. ID	OJ990330_09.9A15.C30
Gene No.	23965	Strand	-
Start	9131	End	11353
Name	OJ990330_09.9A15.C30.o3.gs	Method	GENSCAN
Start	9131	End	11353
GI	none	Score	.44
Exons	9131..9286, 9612..9911, 10164..10251, 11242..11353		

Seq. No.	11281	Seq. ID	OJ990330_09.9A15.C31

Gene No.	23966	Strand	+
Start	913	End	2379
Name	OJ990330_09.9A15.C31.o1.gs	Method	GENSCAN
Start	913	End	2379
GI	none	Score	.41
Exons	913..1205, 1457..2005, 2013..2379		

Seq. No.	11281	Seq. ID	OJ990330_09.9A15.C31
Gene No.	23967	Strand	+
Start	4980	End	5382
Name	OJ990330_09.9A15.C31.o1.gp	Method	AAT/GAP
Start	4980	End	5382
GI	286550	Score	387
Exons	4980..5247, 5358..5382		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	11281	Seq. ID	OJ990330_09.9A15.C31
Gene No.	23968	Strand	-
Start	2711	End	10059
Name	OJ990330_09.9A15.C31.o1.np	Method	AAT/NAP
Start	2711	End	5251
GI	6539570	Score	189
Exons	2711..2739, 4844..4910, 5049..5251		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11281	Seq. ID	OJ990330_09.9A15.C31
Gene No.	23968	Strand	-
Start	2711	End	10059
Name	OJ990330_09.9A15.C31.o2.gs	Method	GENSCAN
Start	3128	End	10059
GI	none	Score	.64
Exons	3128..3294, 4638..4713, 4837..4910, 5045..5209, 5550..5569, 9896..10059		

Seq. No.	11281	Seq. ID	OJ990330_09.9A15.C31
Gene No.	23968	Strand	-
Start	2711	End	10059
Name	OJ990330_09.9A15.C31.o2.np	Method	AAT/NAP
Start	5378	End	6722
GI	6630699	Score	84
Exons	5378..5455, 6694..6722		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11281	Seq. ID	OJ990330_09.9A15.C31
Gene No.	23969	Strand	-
Start	12966	End	13058
Name	OJ990330_09.9A15.C31.o3.gs	Method	GENSCAN
Start	12966	End	13058
GI	none	Score	.84
Exons	12966..13058		

Seq. No.	11282	Seq. ID	OJ990330_09.9A15.C32
Gene No.	23970	Strand	-
Start	1125	End	4146

Name	OJ990330_09.9A15.C32.o1.gs	Method	GENSCAN
Start	1125	End	4146
GI	none	Score	.48
Exons	1125..2128, 2167..2316, 2392..2523, 2548..2737, 4141..4146		

Seq. No.	11283	Seq. ID	OJ990330_09.9A15.C33
Gene No.	23971	Strand	+
Start	1	End	6512
Name	OJ990330_09.9A15.C33.o1.np	Method	AAT/NAP
Start	1	End	4302
GI	161752	Score	85
Exons	1..85, 2271..2422, 3014..3084, 4239..4302		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	11283	Seq. ID	OJ990330_09.9A15.C33
Gene No.	23971	Strand	+
Start	1	End	6512
Name	OJ990330_09.9A15.C33.o1.gs	Method	GENSCAN
Start	867	End	6512
GI	none	Score	.59
Exons	867..979, 2249..2306, 3014..3178, 4018..4103, 4191..4302, 4948..5019, 5431..5449, 6373..6512		

Seq. No.	11283	Seq. ID	OJ990330_09.9A15.C33
Gene No.	23971	Strand	+
Start	1	End	6512
Name	OJ990330_09.9A15.C33.o1.tm	Method	TBLASTX:Maize
Start	1844	End	4823
GI	none	Score	87
Exons	1844..1915, 1846..1929, 2221..2394, 2249..2398, 2250..2405, 2294..2335, 3004..3084, 3012..3083, 3013..3087, 3014..3085, 3094..3129, 3128..3178, 3128..3178, 3981..4007, 3984..4013, 4005..4061, 4006..4068, 4062..4109, 4068..4103, 4207..4302, 4210..4314, 4394..4441, 4402..4437, 4693..4776, 4694..4819, 4718..4822, 4719..4823		

Seq. No.	11283	Seq. ID	OJ990330_09.9A15.C33
Gene No.	23971	Strand	+
Start	1	End	6512
Name	OJ990330_09.9A15.C33.o1.ts	Method	TBLASTX:Soybean
Start	2221	End	3181
GI	none	Score	190
Exons	2221..2388, 2249..2398, 2262..2393, 3017..3076, 3019..3096, 3128..3181		

Seq. No.	11284	Seq. ID	OJ990330_09.9A15.C34
Gene No.	23972	Strand	+
Start	288	End	1200
Name	OJ990330_09.9A15.C34.o1.gs	Method	GENSCAN
Start	288	End	1200
GI	none	Score	.69
Exons	288..443, 904..1200		

Seq. No.	11284	Seq. ID	OJ990330_09.9A15.C34
Gene No.	23973	Strand	+
Start	5655	End	6472

Name	OJ990330_09.9A15.C34.o1.np	Method	AAT/NAP
Start	5655	End	6472
GI	6069646	Score	183
Exons	5655..6091, 6395..6472		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	11284	Seq. ID	OJ990330_09.9A15.C34
Gene No.	23974	Strand	-
Start	5689	End	6452
Name	OJ990330_09.9A15.C34.o2.gs	Method	GENSCAN
Start	5689	End	6452
GI	none	Score	.94
Exons	5689..5915, 6012..6285, 6339..6452		

Seq. No.	11284	Seq. ID	OJ990330_09.9A15.C34
Gene No.	23974	Strand	-
Start	5689	End	6452
Name	OJ990330_09.9A15.C34.o1.tm	Method	TBLASTX:Maize
Start	5699	End	6181
GI	none	Score	119
Exons	5699..5800, 5853..5891, 5859..6023, 5873..6022, 6038..6067, 6071..6181		

Seq. No.	11285	Seq. ID	OJ990330_09.9A15.C35
Gene No.	23975	Strand	+
Start	77	End	1504
Name	OJ990330_09.9A15.C35.o1.gs	Method	GENSCAN
Start	77	End	1504
GI	none	Score	.5
Exons	77..231, 1136..1178, 1417..1504		

Seq. No.	11285	Seq. ID	OJ990330_09.9A15.C35
Gene No.	23976	Strand	+
Start	1417	End	1539
Name	OJ990330_09.9A15.C35.o1.np	Method	AAT/NAP
Start	1417	End	1539
GI	1872517	Score	59
Exons	1417..1539		
GI Descrip.	(U85244) alternative oxidase [Arabidopsis thaliana]		

Seq. No.	11286	Seq. ID	OJ990330_09.9A15.C37
Gene No.	23977	Strand	+
Start	116	End	142
Name	OJ990330_09.9A15.C37.o1.gs	Method	GENSCAN
Start	116	End	142
GI	none	Score	.87
Exons	116..142		

Seq. No.	11287	Seq. ID	OJ990330_09.9A15.C38
Gene No.	23978	Strand	+
Start	1	End	392
Name	OJ990330_09.9A15.C38.o1.np	Method	AAT/NAP
Start	1	End	392

GI	4680186	Score	198
Exons	1..97, 224..392		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11288	Seq. ID	OJ990330_09.9A15.C39
Gene No.	23979	Strand	+
Start	261	End	672
Name	OJ990330_09.9A15.C39.o1.gs	Method	GENSCAN
Start	261	End	672
GI	none	Score	.62
Exons	261..672		

Seq. No.	11288	Seq. ID	OJ990330_09.9A15.C39
Gene No.	23979	Strand	+
Start	261	End	672
Name	OJ990330_09.9A15.C39.o1.tw	Method	TBLASTX:Wheat
Start	315	End	580
GI	none	Score	282
Exons	315..572, 335..550, 342..551, 400..552, 554..580		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23980	Strand	+
Start	62	End	541
Name	OJ990330_09.9A15.C40.o1.gs	Method	GENSCAN
Start	62	End	541
GI	none	Score	.75
Exons	62..541		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23981	Strand	+
Start	11247	End	13196
Name	OJ990330_09.9A15.C40.o2.np	Method	AAT/NAP
Start	11247	End	13196
GI	4680186	Score	246
Exons	11247..11304, 12991..13196		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23982	Strand	-
Start	6980	End	11144
Name	OJ990330_09.9A15.C40.o1.np	Method	AAT/NAP
Start	6980	End	11144
GI	4234852	Score	4149
Exons	6980..10934, 10975..11144		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23983	Strand	-
Start	12743	End	13124
Name	OJ990330_09.9A15.C40.o1.gp	Method	AAT/GAP
Start	12743	End	13124
GI	uC-osf1cyp033a04b1	Score	667
Exons	12743..13124		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40

Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o5.tm	Method	TBLASTX:Maize
Start	7019	End	7477
GI	none	Score	48
Exons	7019..7210, 7259..7435, 7421..7477		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o3.tw	Method	TBLASTX:Wheat
Start	7031	End	7426
GI	none	Score	117
Exons	7031..7426, 7197..7403		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o3.ts	Method	TBLASTX:Soybean
Start	7034	End	7600
GI	none	Score	106
Exons	7034..7225, 7214..7405, 7421..7600		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o2.tm	Method	TBLASTX:Maize
Start	7490	End	7921
GI	none	Score	92
Exons	7490..7786, 7491..7646, 7760..7921		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o1.tw	Method	TBLASTX:Wheat
Start	7574	End	8366
GI	none	Score	159
Exons	7574..8035, 7593..8036, 8012..8365, 8019..8366, 8021..8365		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o3.tm	Method	TBLASTX:Maize
Start	7922	End	8365
GI	none	Score	125
Exons	7922..8023, 8057..8365, 8058..8348		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o1.ts	Method	TBLASTX:Soybean
Start	8057	End	8494
GI	5509260	Score	161
Exons	8057..8494, 8133..8483		
GI Descrip.	-		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40

Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o1.tc	Method	TBLASTX:Cress
Start	8147	End	8407
GI	none	Score	112
Exons	8147..8407, 8169..8405		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o2.ts	Method	TBLASTX:Soybean
Start	9003	End	9389
GI	none	Score	63
Exons	9003..9176, 9180..9389, 9208..9333		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o2.tw	Method	TBLASTX:Wheat
Start	9006	End	9669
GI	none	Score	35
Exons	9006..9104, 9031..9105, 9084..9389, 9106..9363, 9429..9668, 9430..9669		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o2.tc	Method	TBLASTX:Cress
Start	9009	End	9389
GI	none	Score	116
Exons	9009..9176, 9189..9389		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o4.tm	Method	TBLASTX:Maize
Start	9195	End	9653
GI	none	Score	74
Exons	9195..9380, 9217..9378, 9429..9653		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o4.ts	Method	TBLASTX:Soybean
Start	9390	End	9822
GI	none	Score	116
Exons	9390..9617, 9391..9525, 9395..9634, 9621..9680, 9621..9686, 9673..9732, 9757..9822		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o6.tm	Method	TBLASTX:Maize
Start	9959	End	10141
GI	none	Score	100
Exons	9959..10141, 9961..10140		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o1.tm	Method	TBLASTX:Maize
Start	10142	End	11051
GI	none	Score	105
Exons	10142..10192, 10297..10386, 10458..10562, 10471..10620, 10481..10615, 10632..10838, 10634..10735, 10635..11051, 10657..10947		

Seq. No.	11289	Seq. ID	OJ990330_09.9A15.C40
Gene No.	23984	Strand	-
Start	13589	End	14527
Name	OJ990330_09.9A15.C40.o3.np	Method	AAT/NAP
Start	13589	End	14527
GI	6907087	Score	401
Exons	13589..13690, 14229..14527		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11290	Seq. ID	OJ990330_09.9A15.C44
Gene No.	23985	Strand	+
Start	1	End	537
Name	OJ990330_09.9A15.C44.o1.np	Method	AAT/NAP
Start	1	End	537
GI	6498441	Score	272
Exons	1..537		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11290	Seq. ID	OJ990330_09.9A15.C44
Gene No.	23985	Strand	+
Start	1	End	537
Name	OJ990330_09.9A15.C44.o1.tw	Method	TBLASTX:Wheat
Start	1	End	204
GI	none	Score	177
Exons	1..204, 9..203		

Seq. No.	11290	Seq. ID	OJ990330_09.9A15.C44
Gene No.	23985	Strand	+
Start	1	End	537
Name	OJ990330_09.9A15.C44.o1.gs	Method	GENSCAN
Start	56	End	267
GI	none	Score	.98
Exons	56..267		

Seq. No.	11291	Seq. ID	OJ990510_09.9A20.C2
Gene No.	23986	Strand	-
Start	1	End	3162
Name	OJ990510_09.9A20.C2.o2.np	Method	AAT/NAP
Start	1	End	2483
GI	4680179	Score	819
Exons	1..89, 867..975, 1086..2020, 2369..2483		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11291	Seq. ID	OJ990510_09.9A20.C2
Gene No.	23986	Strand	-
Start	1	End	3162
Name	OJ990510_09.9A20.C2.o1.gs	Method	GENSCAN
Start	416	End	2084
GI	none	Score	.54
Exons	416..513, 871..933, 1007..1126, 1340..2084		

Seq. No.	11291	Seq. ID	OJ990510_09.9A20.C2
Gene No.	23986	Strand	-
Start	1	End	3162
Name	OJ990510_09.9A20.C2.o1.np	Method	AAT/NAP
Start	419	End	1288
GI	5852178	Score	195
Exons	419..520, 877..1288		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	11291	Seq. ID	OJ990510_09.9A20.C2
Gene No.	23986	Strand	-
Start	1	End	3162
Name	OJ990510_09.9A20.C2.o1.tw	Method	TBLASTX:Wheat
Start	1326	End	1670
GI	none	Score	62
Exons	1326..1670, 1476..1643		

Seq. No.	11291	Seq. ID	OJ990510_09.9A20.C2
Gene No.	23986	Strand	-
Start	1	End	3162
Name	OJ990510_09.9A20.C2.o1.tm	Method	TBLASTX:Maize
Start	1332	End	1670
GI	none	Score	95
Exons	1332..1670, 1461..1643		

Seq. No.	11291	Seq. ID	OJ990510_09.9A20.C2
Gene No.	23986	Strand	-
Start	1	End	3162
Name	OJ990510_09.9A20.C2.o2.tw	Method	TBLASTX:Wheat
Start	1722	End	1920
GI	none	Score	68
Exons	1722..1895, 1722..1904, 1723..1920		

Seq. No.	11291	Seq. ID	OJ990510_09.9A20.C2
Gene No.	23986	Strand	-
Start	1	End	3162
Name	OJ990510_09.9A20.C2.o3.np	Method	AAT/NAP
Start	2366	End	3162
GI	4512231	Score	1131
Exons	2366..3162		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	11291	Seq. ID	OJ990510_09.9A20.C2
Gene No.	23986	Strand	-
Start	1	End	3162
Name	OJ990510_09.9A20.C2.o2.gs	Method	GENSCAN
Start	2368	End	3162
GI	none	Score	.98
Exons	2368..3162		

Seq. No.	11292	Seq. ID	OJ990510_09.9A20.C3
Gene No.	23987	Strand	+
Start	26	End	504
Name	OJ990510_09.9A20.C3.o1.gs	Method	GENSCAN
Start	26	End	504
GI	none	Score	.61
Exons	26..110, 115..186, 282..367, 454..504		

Seq. No.	11292	Seq. ID	OJ990510_09.9A20.C3
Gene No.	23988	Strand	-
Start	1255	End	3229
Name	OJ990510_09.9A20.C3.o1.np	Method	AAT/NAP
Start	1255	End	2802
GI	6063554	Score	164
Exons	1255..1429, 2469..2517, 2602..2698, 2732..2802		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11292	Seq. ID	OJ990510_09.9A20.C3
Gene No.	23988	Strand	-
Start	1255	End	3229
Name	OJ990510_09.9A20.C3.o2.gs	Method	GENSCAN
Start	1980	End	3229
GI	none	Score	.96
Exons	1980..2077, 2436..2526, 2572..2672, 2781..2823, 2828..3017, 3179..3229		

Seq. No.	11292	Seq. ID	OJ990510_09.9A20.C3
Gene No.	23988	Strand	-
Start	1255	End	3229
Name	OJ990510_09.9A20.C3.o2.np	Method	AAT/NAP
Start	1983	End	2879
GI	5852178	Score	377
Exons	1983..2084, 2442..2540, 2572..2879		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23989	Strand	+
Start	260	End	4462
Name	OJ990510_09.9A20.C4.o1.np	Method	AAT/NAP
Start	260	End	4462
GI	6907089	Score	249
Exons	260..1024, 4421..4462		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23989	Strand	+
Start	260	End	4462
Name	OJ990510_09.9A20.C4.o2.np	Method	AAT/NAP
Start	408	End	1879
GI	6721558	Score	139
Exons	408..485, 1084..1234, 1679..1879		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23989	Strand	+
Start	260	End	4462
Name	OJ990510_09.9A20.C4.o1.gs	Method	GENSCAN
Start	561	End	3095
GI	none	Score	.81
Exons	561..657, 865..937, 1104..1228, 1296..1481, 1552..1610, 1679..2379, 2563..2665, 2945..3095		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23989	Strand	+
Start	260	End	4462
Name	OJ990510_09.9A20.C4.o3.np	Method	AAT/NAP
Start	828	End	2441
GI	6721561	Score	1057
Exons	828..863, 1262..1481, 1552..1610, 1679..2441		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23990	Strand	+
Start	10015	End	10615
Name	OJ990510_09.9A20.C4.o1.gp	Method	AAT/GAP
Start	10015	End	10615
GI	none	Score	610
Exons	10015..10289, 10532..10615		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23991	Strand	+
Start	10674	End	10760
Name	OJ990510_09.9A20.C4.o6.np	Method	AAT/NAP
Start	10674	End	10760
GI	6498434	Score	118
Exons	10674..10760		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o2.gs	Method	GENSCAN
Start	3476	End	12953
GI	none	Score	.64
Exons	3476..3783, 3916..4177, 4249..4727, 4927..5731, 5999..6170, 6223..6330, 6400..6533, 6540..6726, 6792..7021, 7109..7431, 8817..8911, 9064..9137, 9922..9981, 12737..12906, 12947..12953		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o4.np	Method	AAT/NAP
Start	3902	End	7012
GI	5902445	Score	2964
Exons	3902..5140, 5180..7012		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o4.tw	Method	TBLASTX:Wheat
Start	3911	End	4500
GI	none	Score	62
Exons	3911..4042, 3912..4037, 4067..4309, 4348..4500		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o4.tm	Method	TBLASTX:Maize
Start	3947	End	4213
GI	none	Score	146
Exons	3947..4030, 4031..4213		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o3.tm	Method	TBLASTX:Maize
Start	4489	End	4870
GI	none	Score	43
Exons	4489..4602, 4520..4591, 4600..4863, 4601..4870		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o3.tw	Method	TBLASTX:Wheat
Start	4534	End	4884
GI	none	Score	185
Exons	4534..4872, 4544..4786, 4693..4884		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o9.tw	Method	TBLASTX:Wheat
Start	5162	End	5483
GI	none	Score	86
Exons	5162..5482, 5229..5483		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o5.tw	Method	TBLASTX:Wheat
Start	5522	End	5930
GI	none	Score	42
Exons	5522..5695, 5525..5593, 5574..5666, 5703..5930, 5705..5929		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o8.tw	Method	TBLASTX:Wheat
Start	5999	End	6290
GI	none	Score	101
Exons	5999..6172, 6162..6290		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o1.ts	Method	TBLASTX:Soybean
Start	6020	End	6443
GI	none	Score	92
Exons	6020..6172, 6168..6443, 6259..6399		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o1.tm	Method	TBLASTX:Maize
Start	6171	End	6554
GI	none	Score	126
Exons	6171..6554, 6172..6399		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o1.tw	Method	TBLASTX:Wheat
Start	6294	End	6713
GI	none	Score	103
Exons	6294..6713, 6295..6402, 6327..6452, 6553..6639, 6573..6698		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o2.tm	Method	TBLASTX:Maize
Start	6582	End	6937
GI	none	Score	82
Exons	6582..6758, 6592..6759, 6722..6937, 6726..6875		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o2.tw	Method	TBLASTX:Wheat
Start	6738	End	7106
GI	none	Score	244
Exons	6738..7106, 6743..7102		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o5.np	Method	AAT/NAP
Start	7079	End	7490
GI	5902444	Score	266
Exons	7079..7490		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o6.tw	Method	TBLASTX:Wheat
Start	7259	End	7502
GI	none	Score	38
Exons	7259..7501, 7269..7334, 7377..7502		

Seq. No.	11293	Seq. ID	OJ990510_09.9A20.C4
Gene No.	23992	Strand	-
Start	3476	End	12953
Name	OJ990510_09.9A20.C4.o7.tw	Method	TBLASTX:Wheat
Start	10040	End	11687
GI	none	Score	46
Exons	10040..10138, 10048..10074, 10100..10288, 10103..10180, 10159..10287, 10241..10297, 10373..10390, 10531..10572, 10535..10573, 10542..10604, 10549..10605, 10559..10606, 10562..10606, 11531..11596, 11610..11684, 11623..11676, 11625..11687		

Seq. No.	11294	Seq. ID	OJ990510_09.9A20.C7
Gene No.	23993	Strand	+
Start	484	End	1280
Name	OJ990510_09.9A20.C7.o1.gp	Method	AAT/GAP
Start	484	End	1280
GI	none	Score	955
Exons	484..758, 1001..1280		

Seq. No.	11294	Seq. ID	OJ990510_09.9A20.C7
Gene No.	23993	Strand	+
Start	484	End	1280
Name	OJ990510_09.9A20.C7.o1.tw	Method	TBLASTX:Wheat
Start	520	End	1151
GI	none	Score	197
Exons	520..543, 569..757, 584..649, 628..756, 699..758, 1000..1041, 1004..1042, 1018..1146, 1018..1143, 1032..1151		

Seq. No.	11295	Seq. ID	OJ990510_09.9A20.C8
Gene No.	23994	Strand	-
Start	299	End	700
Name	OJ990510_09.9A20.C8.o1.gs	Method	GENSCAN
Start	299	End	700
GI	none	Score	.86
Exons	299..450, 664..700		

Seq. No.	11296	Seq. ID	OJ990510_09.9A20.C10
Gene No.	23995	Strand	-
Start	374	End	659
Name	OJ990510_09.9A20.C10.o1.gs	Method	GENSCAN
Start	374	End	659
GI	none	Score	.68
Exons	374..487, 639..659		

Seq. No.	11297	Seq. ID	OJ990510_09.9A20.C11
Gene No.	23996	Strand	+
Start	1	End	472
Name	OJ990510_09.9A20.C11.o1.np	Method	AAT/NAP
Start	1	End	472
GI	4680179	Score	346
Exons	1..472		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11297	Seq. ID	OJ990510_09.9A20.C11
Gene No.	23996	Strand	+

Start	1	End	472
Name	OJ990510_09.9A20.C11.o1.tw	Method	TBLASTX:Wheat
Start	1	End	255
GI	none	Score	215
Exons	1..255, 1..105		

Seq. No.	11297	Seq. ID	OJ990510_09.9A20.C11
Gene No.	23996	Strand	+
Start	1	End	472
Name	OJ990510_09.9A20.C11.o1.gs	Method	GENSCAN
Start	44	End	429
GI	none	Score	.77
Exons	44..429		

Seq. No.	11298	Seq. ID	OJ990510_09.9A20.C12
Gene No.	23997	Strand	-
Start	1	End	835
Name	OJ990510_09.9A20.C12.o1.np	Method	AAT/NAP
Start	1	End	835
GI	5257279	Score	541
Exons	1..835		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	11298	Seq. ID	OJ990510_09.9A20.C12
Gene No.	23997	Strand	-
Start	1	End	835
Name	OJ990510_09.9A20.C12.o1.tw	Method	TBLASTX:Wheat
Start	487	End	783
GI	none	Score	182
Exons	487..783		

Seq. No.	11298	Seq. ID	OJ990510_09.9A20.C12
Gene No.	23997	Strand	-
Start	1	End	835
Name	OJ990510_09.9A20.C12.o1.tm	Method	TBLASTX:Maize
Start	499	End	756
GI	none	Score	179
Exons	499..756		

Seq. No.	11299	Seq. ID	OJ990510_09.9A20.C13
Gene No.	23998	Strand	+
Start	1	End	3135
Name	OJ990510_09.9A20.C13.o2.np	Method	AAT/NAP
Start	1	End	1736
GI	4544372	Score	327
Exons	1..73, 1107..1736		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	11299	Seq. ID	OJ990510_09.9A20.C13
Gene No.	23998	Strand	+
Start	1	End	3135
Name	OJ990510_09.9A20.C13.o1.gs	Method	GENSCAN
Start	340	End	3027
GI	none	Score	.69
Exons	340..854, 970..1288, 1304..1453, 1496..1688, 2852..3027		

Seq. No.	11299	Seq. ID	OJ990510_09.9A20.C13
Gene No.	23998	Strand	+
Start	1	End	3135
Name	OJ990510_09.9A20.C13.o1.ts	Method	TBLASTX:Soybean
Start	472	End	810
GI	none	Score	205
Exons	472..810		

Seq. No.	11299	Seq. ID	OJ990510_09.9A20.C13
Gene No.	23998	Strand	+
Start	1	End	3135
Name	OJ990510_09.9A20.C13.o1.tw	Method	TBLASTX:Wheat
Start	1382	End	1751
GI	none	Score	83
Exons	1382..1438, 1387..1428, 1433..1744, 1441..1743, 1455..1751		

Seq. No.	11299	Seq. ID	OJ990510_09.9A20.C13
Gene No.	23998	Strand	+
Start	1	End	3135
Name	OJ990510_09.9A20.C13.o1.tm	Method	TBLASTX:Maize
Start	1436	End	1701
GI	none	Score	320
Exons	1436..1699, 1436..1696, 1441..1701		

Seq. No.	11299	Seq. ID	OJ990510_09.9A20.C13
Gene No.	23998	Strand	+
Start	1	End	3135
Name	OJ990510_09.9A20.C13.o3.np	Method	AAT/NAP
Start	1513	End	3135
GI	6063554	Score	139
Exons	1513..1546, 2957..3135		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11300	Seq. ID	OJ990510_09.9A20.C14
Gene No.	23999	Strand	+
Start	1	End	1733
Name	OJ990510_09.9A20.C14.o1.np	Method	AAT/NAP
Start	1	End	1733
GI	6063554	Score	136
Exons	1..163, 265..490, 1558..1733		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11300	Seq. ID	OJ990510_09.9A20.C14
Gene No.	23999	Strand	+
Start	1	End	1733
Name	OJ990510_09.9A20.C14.o1.gs	Method	GENSCAN
Start	154	End	623
GI	none	Score	.69
Exons	154..208, 256..465, 490..623		

Seq. No.	11300	Seq. ID	OJ990510_09.9A20.C14
Gene No.	24000	Strand	+

Start	2053	End	3635
Name	OJ990510_09.9A20.C14.o2.gs	Method	GENSCAN
Start	2053	End	3633
GI	none	Score	.89
Exons	2053..2061, 2839..3633		

Seq. No.	11300	Seq. ID	OJ990510_09.9A20.C14
Gene No.	24000	Strand	+
Start	2053	End	3635
Name	OJ990510_09.9A20.C14.o2.np	Method	AAT/NAP
Start	2839	End	3635
GI	4512231	Score	1150
Exons	2839..3635		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	11300	Seq. ID	OJ990510_09.9A20.C14
Gene No.	24001	Strand	+
Start	3880	End	4583
Name	OJ990510_09.9A20.C14.o3.np	Method	AAT/NAP
Start	3843	End	4583
GI	4680179	Score	692
Exons	3843..4583		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11300	Seq. ID	OJ990510_09.9A20.C14
Gene No.	24001	Strand	+
Start	3880	End	4583
Name	OJ990510_09.9A20.C14.o3.gs	Method	GENSCAN
Start	3880	End	4559
GI	none	Score	.81
Exons	3880..4559		

Seq. No.	11300	Seq. ID	OJ990510_09.9A20.C14
Gene No.	24001	Strand	+
Start	3880	End	4583
Name	OJ990510_09.9A20.C14.o1.tw	Method	TBLASTX:Wheat
Start	4051	End	4410
GI	none	Score	269
Exons	4051..4410, 4077..4403, 4090..4407		

Seq. No.	11300	Seq. ID	OJ990510_09.9A20.C14
Gene No.	24001	Strand	+
Start	3880	End	4583
Name	OJ990510_09.9A20.C14.o1.tm	Method	TBLASTX:Maize
Start	4291	End	4581
GI	none	Score	220
Exons	4291..4581		

Seq. No.	11301	Seq. ID	OJ990510_09.9A20.C15
Gene No.	24002	Strand	+
Start	1	End	4338
Name	OJ990510_09.9A20.C15.o1.np	Method	AAT/NAP
Start	1	End	4338
GI	4680179	Score	429
Exons	1..478, 2628..2690, 4268..4338		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11301	Seq. ID	OJ990510_09.9A20.C15
Gene No.	24002	Strand	+
Start	1	End	4338
Name	OJ990510_09.9A20.C15.o1.gs	Method	GENSCAN
Start	7	End	3680
GI	none	Score	.43
Exons	7..364, 1297..1358, 2386..2468, 3035..3246, 3442..3680		

Seq. No.	11301	Seq. ID	OJ990510_09.9A20.C15
Gene No.	24002	Strand	+
Start	1	End	4338
Name	OJ990510_09.9A20.C15.o1.tw	Method	TBLASTX:Wheat
Start	40	End	444
GI	none	Score	117
Exons	40..297, 147..215, 279..413, 307..444		

Seq. No.	11301	Seq. ID	OJ990510_09.9A20.C15
Gene No.	24002	Strand	+
Start	1	End	4338
Name	OJ990510_09.9A20.C15.o1.tm	Method	TBLASTX:Maize
Start	301	End	465
GI	none	Score	189
Exons	301..465, 306..413		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24003	Strand	+
Start	1	End	13672
Name	OJ990510_09.9A20.C16.o1.np	Method	AAT/NAP
Start	1	End	4476
GI	4680179	Score	1675
Exons	1..67, 699..1841, 4426..4476		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24003	Strand	+
Start	1	End	13672
Name	OJ990510_09.9A20.C16.o2.np	Method	AAT/NAP
Start	1	End	13672
GI	5852180	Score	532
Exons	1..77, 2626..2688, 3673..3754, 3807..4257, 8040..8110, 13547..13672		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24003	Strand	+
Start	1	End	13672
Name	OJ990510_09.9A20.C16.o4.np	Method	AAT/NAP
Start	11006	End	12954
GI	4680186	Score	238
Exons	11006..11031, 12514..12598, 12725..12954		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24004	Strand	-
Start	2537	End	2918
Name	OJ990510_09.9A20.C16.o1.gp	Method	AAT/GAP
Start	2537	End	2918

GI	uC-osflcyp033a04b1	Score	635
Exons	2537..2918		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24005	Strand	-
Start	6311	End	9141
Name	OJ990510_09.9A20.C16.o2.gs	Method	GENSCAN
Start	6311	End	9141
GI	none	Score	.68
Exons	6311..6361, 6490..6589, 6643..6737, 6831..7021, 7244..7357, 8091..8303, 8868..9141		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24006	Strand	-
Start	9896	End	12594
Name	OJ990510_09.9A20.C16.o3.gs	Method	GENSCAN
Start	9896	End	12594
GI	none	Score	.48
Exons	9896..11248, 12550..12594		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24006	Strand	-
Start	9896	End	12594
Name	OJ990510_09.9A20.C16.o3.np	Method	AAT/NAP
Start	10006	End	11269
GI	4680179	Score	580
Exons	10006..10211, 10385..11269		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-
Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o2.tm	Method	TBLASTX:Maize
Start	708	End	1175
GI	none	Score	383
Exons	708..1175, 716..946		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-
Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o2.tw	Method	TBLASTX:Wheat
Start	708	End	1121
GI	none	Score	463
Exons	708..1121, 719..1078, 750..1118		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-
Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o3.ts	Method	TBLASTX:Soybean
Start	708	End	989
GI	none	Score	193
Exons	708..989		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-

Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o1.ts	Method	TBLASTX:Soybean
Start	1062	End	1457
GI	none	Score	57
Exons	1062..1094, 1062..1121, 1098..1457, 1100..1141, 1198..1242, 1214..1351		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-
Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o3.tw	Method	TBLASTX:Wheat
Start	1170	End	1439
GI	none	Score	366
Exons	1170..1439, 1208..1438		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-
Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o4.tm	Method	TBLASTX:Maize
Start	1176	End	1341
GI	none	Score	195
Exons	1176..1337, 1188..1331, 1189..1341, 1193..1336		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-
Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o1.tm	Method	TBLASTX:Maize
Start	1359	End	1793
GI	none	Score	52
Exons	1359..1391, 1389..1760, 1406..1729, 1752..1793, 1752..1793		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-
Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o1.tw	Method	TBLASTX:Wheat
Start	1442	End	1841
GI	none	Score	547
Exons	1442..1837, 1443..1841, 1521..1838		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-
Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o2.ts	Method	TBLASTX:Soybean
Start	1479	End	1727
GI	none	Score	203
Exons	1479..1727		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-
Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o3.tm	Method	TBLASTX:Maize
Start	10487	End	10786
GI	none	Score	75
Exons	10487..10786, 10683..10772		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-

Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o4.tw	Method	TBLASTX:Wheat
Start	10667	End	11026
GI	none	Score	53
Exons	10667..10957, 10667..11026, 10671..11024		

Seq. No.	11302	Seq. ID	OJ990510_09.9A20.C16
Gene No.	24007	Strand	-
Start	12502	End	12883
Name	OJ990510_09.9A20.C16.o2.gp	Method	AAT/GAP
Start	12502	End	12883
GI	uC-osf1cyp033a04b1	Score	667
Exons	12502..12883		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11303	Seq. ID	OJ990510_09.9A20.C17
Gene No.	24008	Strand	+
Start	494	End	922
Name	OJ990510_09.9A20.C17.o1.gs	Method	GENSCAN
Start	494	End	922
GI	none	Score	.67
Exons	494..736, 752..922		

Seq. No.	11303	Seq. ID	OJ990510_09.9A20.C17
Gene No.	24009	Strand	-
Start	2542	End	3159
Name	OJ990510_09.9A20.C17.o2.gs	Method	GENSCAN
Start	2542	End	3159
GI	none	Score	.62
Exons	2542..2670, 3082..3159		

Seq. No.	11304	Seq. ID	OJ990510_09.9A20.C18
Gene No.	24010	Strand	+
Start	283	End	3879
Name	OJ990510_09.9A20.C18.o1.gs	Method	GENSCAN
Start	283	End	3879
GI	none	Score	.62
Exons	283..437, 1527..1699, 1960..2226, 2401..2614, 2744..2864, 3036..3167, 3551..3879		

Seq. No.	11304	Seq. ID	OJ990510_09.9A20.C18
Gene No.	24010	Strand	+
Start	283	End	3879
Name	OJ990510_09.9A20.C18.o1.np	Method	AAT/NAP
Start	680	End	3554
GI	5042463	Score	124
Exons	680..915, 1549..1680, 1732..1812, 3529..3554		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	11305	Seq. ID	OJ990510_09.9A20.C19
Gene No.	24011	Strand	-
Start	723	End	1922
Name	OJ990510_09.9A20.C19.o3.tm	Method	TBLASTX:Maize
Start	719	End	947
GI	none	Score	42
Exons	719..847, 750..947, 841..936		

Seq. No.	11305	Seq. ID	OJ990510_09.9A20.C19
Gene No.	24011	Strand	-
Start	723	End	1922
Name	OJ990510_09.9A20.C19.o1.gs	Method	GENSCAN
Start	723	End	1796
GI	none	Score	.87
Exons	723..1796		

Seq. No.	11305	Seq. ID	OJ990510_09.9A20.C19
Gene No.	24011	Strand	-
Start	723	End	1922
Name	OJ990510_09.9A20.C19.o1.np	Method	AAT/NAP
Start	726	End	1922
GI	4680179	Score	1766
Exons	726..1922		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11305	Seq. ID	OJ990510_09.9A20.C19
Gene No.	24011	Strand	-
Start	723	End	1922
Name	OJ990510_09.9A20.C19.o2.tw	Method	TBLASTX:Wheat
Start	771	End	1104
GI	none	Score	136
Exons	771..1103, 792..1100, 835..1104		

Seq. No.	11305	Seq. ID	OJ990510_09.9A20.C19
Gene No.	24011	Strand	-
Start	723	End	1922
Name	OJ990510_09.9A20.C19.o1.tm	Method	TBLASTX:Maize
Start	951	End	1550
GI	none	Score	117
Exons	951..1391, 966..1229, 967..1389, 1308..1391, 1389..1550, 1396..1542		

Seq. No.	11305	Seq. ID	OJ990510_09.9A20.C19
Gene No.	24011	Strand	-
Start	723	End	1922
Name	OJ990510_09.9A20.C19.o1.tw	Method	TBLASTX:Wheat
Start	1104	End	1730
GI	none	Score	81
Exons	1104..1730, 1107..1358, 1216..1674		

Seq. No.	11305	Seq. ID	OJ990510_09.9A20.C19
Gene No.	24011	Strand	-
Start	723	End	1922
Name	OJ990510_09.9A20.C19.o2.tm	Method	TBLASTX:Maize
Start	1599	End	1891
GI	none	Score	216
Exons	1599..1889, 1603..1890, 1703..1891		

Seq. No.	11305	Seq. ID	OJ990510_09.9A20.C19
Gene No.	24011	Strand	-
Start	723	End	1922
Name	OJ990510_09.9A20.C19.o1.ts	Method	TBLASTX:Soybean
Start	1688	End	1922
GI	none	Score	94

Exons	1688..1825, 1689..1892, 1689..1922, 1690..1917		
Seq. No.	11305	Seq. ID	OJ990510_09.9A20.C19
Gene No.	24011	Strand	-
Start	723	End	1922
Name	OJ990510_09.9A20.C19.o3.tw	Method	TBLASTX:Wheat
Start	1737	End	1922
GI	none	Score	177
Exons	1737..1922, 1738..1917, 1742..1921		
Seq. No.	11306	Seq. ID	OJ990510_09.9A20.C22
Gene No.	24012	Strand	-
Start	334	End	487
Name	OJ990510_09.9A20.C22.o1.np	Method	AAT/NAP
Start	334	End	487
GI	6705984	Score	143
Exons	334..487		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24013	Strand	+
Start	1	End	5625
Name	OJ990510_09.9A20.C23.o1.np	Method	AAT/NAP
Start	1	End	3219
GI	4680179	Score	1574
Exons	1..25, 584..1822, 3179..3219		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24013	Strand	+
Start	1	End	5625
Name	OJ990510_09.9A20.C23.o1.gs	Method	GENSCAN
Start	116	End	5625
GI	none	Score	.41
Exons	116..191, 625..875, 1429..1683, 2691..2754, 2915..3095, 4508..4701, 4854..5222, 5240..5625		
Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o3.tw	Method	TBLASTX:Wheat
Start	584	End	8578
GI	none	Score	81
Exons	584..637, 585..644, 8154..8456, 8162..8311, 8202..8453, 8203..8457, 8456..8578, 8456..8557, 8458..8574		
Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o2.tw	Method	TBLASTX:Wheat
Start	669	End	9142
GI	none	Score	579
Exons	669..1211, 684..1211, 8615..9142, 8767..9138		
Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214

Name	OJ990510_09.9A20.C23.o1.tc	Method	TBLASTX:Cress
Start	909	End	9166
GI	none	Score	91
Exons	909..1091, 1092..1235, 1094..1234, 8846..9022, 9023..9166, 9025..9165		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o2.ts	Method	TBLASTX:Soybean
Start	1023	End	9190
GI	none	Score	284
Exons	1023..1259, 1023..1160, 1031..1258, 1188..1259, 8942..9190, 8942..9184, 8968..9189		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o3.tm	Method	TBLASTX:Maize
Start	1058	End	9280
GI	none	Score	374
Exons	1058..1345, 1059..1349, 8988..9089, 8990..9274, 8992..9276, 8993..9280		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o1.tw	Method	TBLASTX:Wheat
Start	1218	End	9774
GI	none	Score	126
Exons	1218..1349, 1221..1325, 1360..1761, 1386..1721, 9149..9280, 9151..9285, 9283..9774, 9292..9573, 9321..9773		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o1.tm	Method	TBLASTX:Maize
Start	1395	End	9935
GI	none	Score	222
Exons	1395..1550, 1396..1557, 1554..1718, 1555..1764, 9331..9489, 9333..9482, 9336..9500, 9398..9484, 9486..9542, 9486..9782, 9487..9924, 9876..9935		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o5.tm	Method	TBLASTX:Maize
Start	3681	End	4070
GI	none	Score	67
Exons	3681..3743, 3732..4010, 3741..4070		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o2.gs	Method	GENSCAN
Start	5845	End	11214
GI	none	Score	.58

Exons	5845..6499, 6770..6880, 7125..7864, 7962..8493, 8541..9232, 9727..9927, 10058..10160, 10852..11069, 11143..11214		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o7.tw	Method	TBLASTX:Wheat
Start	5983	End	6348
GI	none	Score	170
Exons	5983..6180, 6111..6167, 6205..6348, 6246..6347		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o2.np	Method	AAT/NAP
Start	5996	End	10148
GI	4680179	Score	3984
Exons	5996..10148		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o8.tw	Method	TBLASTX:Wheat
Start	6829	End	7201
GI	none	Score	124
Exons	6829..7026, 6846..6992, 7064..7201, 7073..7192		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o4.tw	Method	TBLASTX:Wheat
Start	7375	End	7804
GI	none	Score	74
Exons	7375..7623, 7379..7714, 7438..7680, 7667..7804		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o4.tm	Method	TBLASTX:Maize
Start	7388	End	7680
GI	none	Score	343
Exons	7388..7678, 7438..7680		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o6.tm	Method	TBLASTX:Maize
Start	7718	End	7951
GI	none	Score	187
Exons	7718..7951		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o1.ts	Method	TBLASTX:Soybean
Start	7745	End	8138

GI	none	Score	56
Exons	7745..7777, 7745..7804, 7781..7951, 7789..7944, 7950..8138, 7955..8137		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o6.tw	Method	TBLASTX:Wheat
Start	7853	End	8153
GI	none	Score	126
Exons	7853..7951, 7863..7964, 7886..7951, 7950..8153, 7961..8152, 8037..8153		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o2.tm	Method	TBLASTX:Maize
Start	8036	End	8482
GI	none	Score	452
Exons	8036..8452, 8040..8471, 8055..8453, 8270..8482		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o3.ts	Method	TBLASTX:Soybean
Start	8166	End	8405
GI	none	Score	201
Exons	8166..8405, 8180..8290		

Seq. No.	11307	Seq. ID	OJ990510_09.9A20.C23
Gene No.	24014	Strand	+
Start	5845	End	11214
Name	OJ990510_09.9A20.C23.o5.tw	Method	TBLASTX:Wheat
Start	9774	End	10107
GI	none	Score	339
Exons	9774..10043, 9775..10107		

Seq. No.	11308	Seq. ID	OJ990510_09.9A20.C25
Gene No.	24015	Strand	+
Start	731	End	1112
Name	OJ990510_09.9A20.C25.o1.gp	Method	AAT/GAP
Start	731	End	1112
GI	uC÷osflcyp033a04b1	Score	639
Exons	731..1112		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11308	Seq. ID	OJ990510_09.9A20.C25
Gene No.	24016	Strand	+
Start	1959	End	2390
Name	OJ990510_09.9A20.C25.o2.np	Method	AAT/NAP
Start	1959	End	2390
GI	2864621	Score	146
Exons	1959..2390		
GI Descrip.	(AL021811) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11308	Seq. ID	OJ990510_09.9A20.C25

Gene No.	24017	Strand	-
Start	664	End	2575
Name	OJ990510_09.9A20.C25.o1.np	Method	AAT/NAP
Start	664	End	2575
GI	4680186	Score	332
Exons	664..865, 1702..1785, 2524..2575		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11308	Seq. ID	OJ990510_09.9A20.C25
Gene No.	24017	Strand	-
Start	664	End	2575
Name	OJ990510_09.9A20.C25.o1.ts	Method	TBLASTX:Soybean
Start	1925	End	2393
GI	none	Score	148
Exons	1925..2062, 1927..2076, 2077..2142, 2083..2253, 2084..2314, 2316..2393		

Seq. No.	11309	Seq. ID	OJ990510_09.9A20.C26
Gene No.	24018	Strand	+
Start	1	End	1747
Name	OJ990510_09.9A20.C26.o1.np	Method	AAT/NAP
Start	1	End	876
GI	4544372	Score	276
Exons	1..876		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	11309	Seq. ID	OJ990510_09.9A20.C26
Gene No.	24018	Strand	+
Start	1	End	1747
Name	OJ990510_09.9A20.C26.o2.np	Method	AAT/NAP
Start	1	End	1747
GI	629693	Score	239
Exons	1..879, 1703..1747		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	11309	Seq. ID	OJ990510_09.9A20.C26
Gene No.	24018	Strand	+
Start	1	End	1747
Name	OJ990510_09.9A20.C26.o1.gs	Method	GENSCAN
Start	131	End	339
GI	none	Score	.87
Exons	131..339		

Seq. No.	11309	Seq. ID	OJ990510_09.9A20.C26
Gene No.	24019	Strand	-
Start	507	End	1043
Name	OJ990510_09.9A20.C26.o2.gs	Method	GENSCAN
Start	507	End	1043
GI	none	Score	.84
Exons	507..721, 805..857, 859..1043		

Seq. No.	11309	Seq. ID	OJ990510_09.9A20.C26
Gene No.	24020	Strand	-
Start	1255	End	2097
Name	OJ990510_09.9A20.C26.o1.ts	Method	TBLASTX:Soybean

Start	651	End	869
GI	none	Score	185
Exons	651..803, 676..867, 846..869		

Seq. No.	11309	Seq. ID	OJ990510_09.9A20.C26
Gene No.	24020	Strand	-
Start	1255	End	2097
Name	OJ990510_09.9A20.C26.o3.gs	Method	GENSCAN
Start	1255	End	2097
GI	none	Score	.93
Exons	1255..1935, 2017..2097		

Seq. No.	11310	Seq. ID	OJ990510_09.9A20.C27
Gene No.	24021	Strand	-
Start	1860	End	6305
Name	OJ990510_09.9A20.C27.o1.gs	Method	GENSCAN
Start	1860	End	6290
GI	none	Score	.66
Exons	1860..2074, 2249..2350, 2632..2884, 2909..5057, 5692..6290		

Seq. No.	11310	Seq. ID	OJ990510_09.9A20.C27
Gene No.	24021	Strand	-
Start	1860	End	6305
Name	OJ990510_09.9A20.C27.o1.np	Method	AAT/NAP
Start	1862	End	6305
GI	5091513	Score	2973
Exons	1862..1928, 2757..2948, 3110..5046, 5791..6305		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11311	Seq. ID	OJ990510_09.9A20.C28
Gene No.	24022	Strand	-
Start	1	End	4390
Name	OJ990510_09.9A20.C28.o1.np	Method	AAT/NAP
Start	1	End	3493
GI	5091513	Score	881
Exons	1..546, 3444..3493		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11311	Seq. ID	OJ990510_09.9A20.C28
Gene No.	24022	Strand	-
Start	1	End	4390
Name	OJ990510_09.9A20.C28.o1.gp	Method	AAT/GAP
Start	1005	End	1254
GI	3761181	Score	438
Exons	1005..1254		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	11311	Seq. ID	OJ990510_09.9A20.C28
Gene No.	24022	Strand	-
Start	1	End	4390
Name	OJ990510_09.9A20.C28.o1.tm	Method	TBLASTX:Maize
Start	2392	End	2927
GI	none	Score	57
Exons	2392..2487, 2392..2439, 2393..2488, 2405..2488, 2463..2594, 2518..2592, 2527..2916, 2541..2594, 2590..2796, 2598..2927		

Seq. No.	11311	Seq. ID	OJ990510_09.9A20.C28
Gene No.	24022	Strand	-
Start	1	End	4390
Name	OJ990510_09.9A20.C28.o2.gs	Method	GENSCAN
Start	3353	End	4390
GI	none	Score	.99
Exons	3353..4390		

Seq. No.	11312	Seq. ID	OJ990510_09.9A20.C29
Gene No.	24023	Strand	+
Start	1	End	670
Name	OJ990510_09.9A20.C29.o1.np	Method	AAT/NAP
Start	1	End	182
GI	4680186	Score	181
Exons	1..182		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11312	Seq. ID	OJ990510_09.9A20.C29
Gene No.	24023	Strand	+
Start	1	End	670
Name	OJ990510_09.9A20.C29.o1.gs	Method	GENSCAN
Start	75	End	670
GI	none	Score	.96
Exons	75..135, 573..670		

Seq. No.	11312	Seq. ID	OJ990510_09.9A20.C29
Gene No.	24024	Strand	-
Start	57	End	115
Name	OJ990510_09.9A20.C29.o1.gp	Method	AAT/GAP
Start	57	End	115
GI	uC-osflcyp033a04b1	Score	80
Exons	57..115		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11312	Seq. ID	OJ990510_09.9A20.C29
Gene No.	24025	Strand	-
Start	572	End	739
Name	OJ990510_09.9A20.C29.o2.np	Method	AAT/NAP
Start	572	End	739
GI	6907087	Score	102
Exons	572..739		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11313	Seq. ID	OJ990510_09.9A20.C30
Gene No.	24026	Strand	-
Start	94	End	1412
Name	OJ990510_09.9A20.C30.o1.gs	Method	GENSCAN
Start	94	End	845
GI	none	Score	.68
Exons	94..175, 365..845		

Seq. No.	11313	Seq. ID	OJ990510_09.9A20.C30
Gene No.	24026	Strand	-
Start	94	End	1412

Name	OJ990510_09.9A20.C30.o1.np	Method	AAT/NAP
Start	595	End	1412
GI	1076237	Score	103
Exons	595..935, 1293..1412		
GI Descrip.	arabinogalactan-like protein - loblolly pine gi|607771 (U09554) arabinogalactan-like protein [Pinus taeda]		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o1.np	Method	AAT/NAP
Start	1	End	2099
GI	6705984	Score	2560
Exons	1..2099		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o1.tw	Method	TBLASTX:Wheat
Start	29	End	520
GI	none	Score	259
Exons	29..310, 41..298, 311..472, 312..356, 313..480, 314..520		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o3.tm	Method	TBLASTX:Maize
Start	269	End	505
GI	none	Score	276
Exons	269..505, 271..504		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o3.ts	Method	TBLASTX:Soybean
Start	269	End	505
GI	none	Score	268
Exons	269..505, 275..448		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o4.tm	Method	TBLASTX:Maize
Start	674	End	874
GI	none	Score	55
Exons	674..727, 730..867, 731..874		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o3.tw	Method	TBLASTX:Wheat
Start	830	End	1312
GI	none	Score	348
Exons	830..1312, 934..1308		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31

Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o2.tm	Method	TBLASTX:Maize
Start	899	End	1366
GI	none	Score	391
Exons	899..1366, 947..1273, 1162..1335		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o1.ts	Method	TBLASTX:Soybean
Start	1289	End	1636
GI	none	Score	343
Exons	1289..1636, 1297..1635		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o4.tw	Method	TBLASTX:Wheat
Start	1361	End	1762
GI	none	Score	307
Exons	1361..1762, 1418..1657		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o1.tm	Method	TBLASTX:Maize
Start	1385	End	1960
GI	none	Score	403
Exons	1385..1960, 1450..1830		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o2.ts	Method	TBLASTX:Soybean
Start	1670	End	1929
GI	none	Score	335
Exons	1670..1927, 1693..1929		

Seq. No.	11314	Seq. ID	OJ990510_09.9A20.C31
Gene No.	24027	Strand	+
Start	1	End	2099
Name	OJ990510_09.9A20.C31.o2.tw	Method	TBLASTX:Wheat
Start	1849	End	2099
GI	none	Score	184
Exons	1849..1953, 1850..1966, 1862..1966, 1957..2097, 1974..2099, 1980..2096		

Seq. No.	11315	Seq. ID	OJ990510_09.9A20.C32
Gene No.	24028	Strand	+
Start	438	End	1990
Name	OJ990510_09.9A20.C32.o1.gp	Method	AAT/GAP
Start	438	End	744
GI	uC-osflcyp033a04b1	Score	502
Exons	438..744		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11315	Seq. ID	OJ990510_09.9A20.C32
Gene No.	24028	Strand	+
Start	438	End	1990
Name	OJ990510_09.9A20.C32.o1.gs	Method	GENSCAN
Start	532	End	1990
GI	none	Score	.76
Exons	532..687, 1399..1547, 1627..1865, 1920..1990		

Seq. No.	11315	Seq. ID	OJ990510_09.9A20.C32
Gene No.	24029	Strand	+
Start	2900	End	4627
Name	OJ990510_09.9A20.C32.o3.np	Method	AAT/NAP
Start	2900	End	4627
GI	6721512	Score	69
Exons	2900..2948, 4490..4627		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11315	Seq. ID	OJ990510_09.9A20.C32
Gene No.	24029	Strand	+
Start	2900	End	4627
Name	OJ990510_09.9A20.C32.o2.gp	Method	AAT/GAP
Start	3389	End	3647
GI	61605_3.R1084	Score	433
Exons	3389..3647		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	11315	Seq. ID	OJ990510_09.9A20.C32
Gene No.	24030	Strand	-
Start	371	End	3102
Name	OJ990510_09.9A20.C32.o1.np	Method	AAT/NAP
Start	371	End	2315
GI	4680186	Score	318
Exons	371..587, 2293..2315		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11315	Seq. ID	OJ990510_09.9A20.C32
Gene No.	24030	Strand	-
Start	371	End	3102
Name	OJ990510_09.9A20.C32.o2.np	Method	AAT/NAP
Start	1648	End	3102
GI	5852180	Score	277
Exons	1648..2021, 3027..3102		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	11316	Seq. ID	OJ990510_09.9A20.C33
Gene No.	24031	Strand	+
Start	407	End	585
Name	OJ990510_09.9A20.C33.o1.np	Method	AAT/NAP
Start	407	End	585
GI	6063554	Score	116
Exons	407..585		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11316	Seq. ID	OJ990510_09.9A20.C33
Gene No.	24032	Strand	+
Start	682	End	1241
Name	OJ990510_09.9A20.C33.o1.gp	Method	AAT/GAP
Start	682	End	1241
GI	61605_3.R1084	Score	442
Exons	682..714, 962..1241		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	11316	Seq. ID	OJ990510_09.9A20.C33
Gene No.	24033	Strand	-
Start	1	End	682
Name	OJ990510_09.9A20.C33.o2.np	Method	AAT/NAP
Start	1	End	682
GI	5852180	Score	43
Exons	1..38, 592..682		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	11317	Seq. ID	OJ990510_09.9A20.C34
Gene No.	24034	Strand	+
Start	897	End	1194
Name	OJ990510_09.9A20.C34.o1.np	Method	AAT/NAP
Start	897	End	1194
GI	5902448	Score	123
Exons	897..1194		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	11317	Seq. ID	OJ990510_09.9A20.C34
Gene No.	24035	Strand	-
Start	189	End	988
Name	OJ990510_09.9A20.C34.o1.gs	Method	GENSCAN
Start	189	End	988
GI	none	Score	.78
Exons	189..424, 634..733, 874..988		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24036	Strand	+
Start	1	End	5556
Name	OJ990510_09.9A20.C35.o2.np	Method	AAT/NAP
Start	1	End	5482
GI	5852180	Score	327
Exons	1..129, 3939..4108, 5109..5482		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24036	Strand	+
Start	1	End	5556
Name	OJ990510_09.9A20.C35.o1.gs	Method	GENSCAN
Start	83	End	3073
GI	none	Score	.49
Exons	83..436, 500..716, 884..1008, 1120..1195, 1322..1379, 1451..1954, 1978..2049, 2338..2483, 2556..3073		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24036	Strand	+
Start	1	End	5556

Name	OJ990510_09.9A20.C35.o1.np	Method	AAT/NAP
Start	607	End	2213
GI	6721561	Score	945
Exons	607..639, 1039..1254, 1322..1379, 1451..2213		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24036	Strand	+
Start	1	End	5556
Name	OJ990510_09.9A20.C35.o1.gp	Method	AAT/GAP
Start	3492	End	3747
GI	61605_3.R1084	Score	431
Exons	3492..3747		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24036	Strand	+
Start	1	End	5556
Name	OJ990510_09.9A20.C35.o2.gp	Method	AAT/GAP
Start	4872	End	4938
GI	uC-osroM202024h08a1	Score	86
Exons	4872..4938		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24036	Strand	+
Start	1	End	5556
Name	OJ990510_09.9A20.C35.o2.gs	Method	GENSCAN
Start	5284	End	5556
GI	none	Score	.99
Exons	5284..5556		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24037	Strand	-
Start	6715	End	9813
Name	OJ990510_09.9A20.C35.o3.np	Method	AAT/NAP
Start	6693	End	9813
GI	5902445	Score	3062
Exons	6693..7935, 7975..9813		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24037	Strand	-
Start	6715	End	9813
Name	OJ990510_09.9A20.C35.o3.gs	Method	GENSCAN
Start	6715	End	9813
GI	none	Score	.69
Exons	6715..6938, 7059..7237, 7403..7526, 7725..7923, 7975..8529, 8590..9813		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35

Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o5.tw	Method	TBLASTX:Wheat
Start	6760	End	7299
GI	none	Score	76
Exons	6760..6834, 6859..7299, 7055..7162, 7211..7297		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o3.tw	Method	TBLASTX:Wheat
Start	7306	End	7687
GI	none	Score	192
Exons	7306..7686, 7343..7585, 7441..7683, 7646..7687		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o2.tm	Method	TBLASTX:Maize
Start	7513	End	7818
GI	none	Score	165
Exons	7513..7818, 7514..7780		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o8.tw	Method	TBLASTX:Wheat
Start	8023	End	8277
GI	none	Score	81
Exons	8023..8277, 8027..8275		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o6.tw	Method	TBLASTX:Wheat
Start	8320	End	8728
GI	none	Score	51
Exons	8320..8385, 8320..8475, 8501..8728, 8503..8727		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o1.ts	Method	TBLASTX:Soybean
Start	8818	End	9243
GI	none	Score	88
Exons	8818..9243, 9059..9184		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o2.tw	Method	TBLASTX:Wheat
Start	8873	End	9297
GI	none	Score	245
Exons	8873..9187, 8875..9297, 8908..9252		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-

Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o3.tm	Method	TBLASTX:Maize
Start	8971	End	9354
GI	none	Score	112
Exons	8971..9354, 8972..9187		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o1.tm	Method	TBLASTX:Maize
Start	9382	End	9738
GI	none	Score	214
Exons	9382..9738, 9383..9658, 9508..9684		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o1.tw	Method	TBLASTX:Wheat
Start	9410	End	9867
GI	none	Score	358
Exons	9410..9760, 9412..9867, 9413..9862, 9502..9867		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o2.ts	Method	TBLASTX:Soybean
Start	9463	End	9828
GI	none	Score	112
Exons	9463..9597, 9604..9828		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o4.gs	Method	GENSCAN
Start	9877	End	11261
GI	none	Score	.74
Exons	9877..11261		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o4.np	Method	AAT/NAP
Start	9880	End	11328
GI	5902444	Score	875
Exons	9880..11328		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-
Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o4.tw	Method	TBLASTX:Wheat
Start	10060	End	10515
GI	none	Score	152
Exons	10060..10296, 10070..10294, 10333..10515, 10406..10507		

Seq. No.	11318	Seq. ID	OJ990510_09.9A20.C35
Gene No.	24038	Strand	-

Start	9877	End	11328
Name	OJ990510_09.9A20.C35.o7.tw	Method	TBLASTX:Wheat
Start	10972	End	11292
GI	none	Score	73
Exons	10972..11292, 11095..11292		

Seq. No.	11319	Seq. ID	OJ990510_09.9A20.C36
Gene No.	24039	Strand	+
Start	433	End	2295
Name	OJ990510_09.9A20.C36.o2.np	Method	AAT/NAP
Start	433	End	2295
GI	6721512	Score	54
Exons	433..487, 2034..2139, 2167..2295		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11319	Seq. ID	OJ990510_09.9A20.C36
Gene No.	24040	Strand	-
Start	1	End	2322
Name	OJ990510_09.9A20.C36.o1.np	Method	AAT/NAP
Start	1	End	2322
GI	6721562	Score	463
Exons	1..675, 721..792, 2211..2322		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	11319	Seq. ID	OJ990510_09.9A20.C36
Gene No.	24041	Strand	-
Start	3822	End	4522
Name	OJ990510_09.9A20.C36.o1.tw	Method	TBLASTX:Wheat
Start	233	End	586
GI	none	Score	86
Exons	233..448, 237..416, 263..457, 422..535, 474..524, 536..586		

Seq. No.	11319	Seq. ID	OJ990510_09.9A20.C36
Gene No.	24041	Strand	-
Start	3822	End	4522
Name	OJ990510_09.9A20.C36.o1.tm	Method	TBLASTX:Maize
Start	302	End	541
GI	none	Score	195
Exons	302..541		

Seq. No.	11319	Seq. ID	OJ990510_09.9A20.C36
Gene No.	24041	Strand	-
Start	3822	End	4522
Name	OJ990510_09.9A20.C36.o2.gs	Method	GENSCAN
Start	3822	End	4522
GI	none	Score	.7
Exons	3822..4373, 4472..4522		

Seq. No.	11320	Seq. ID	OJ990510_09.9A20.C37
Gene No.	24042	Strand	-
Start	1	End	930
Name	OJ990510_09.9A20.C37.o1.np	Method	AAT/NAP
Start	1	End	930

GI	4680179	Score	1041
Exons	1..930		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11320	Seq. ID	OJ990510_09.9A20.C37
Gene No.	24042	Strand	-
Start	1	End	930
Name	OJ990510_09.9A20.C37.o1.tm	Method	TBLASTX:Maize
Start	68	End	340
GI	none	Score	183
Exons	68..340, 69..329		

Seq. No.	11320	Seq. ID	OJ990510_09.9A20.C37
Gene No.	24042	Strand	-
Start	1	End	930
Name	OJ990510_09.9A20.C37.o2.tw	Method	TBLASTX:Wheat
Start	68	End	299
GI	none	Score	138
Exons	68..298, 69..299		

Seq. No.	11320	Seq. ID	OJ990510_09.9A20.C37
Gene No.	24042	Strand	-
Start	1	End	930
Name	OJ990510_09.9A20.C37.o1.ts	Method	TBLASTX:Soybean
Start	257	End	517
GI	none	Score	115
Exons	257..517, 258..512		

Seq. No.	11320	Seq. ID	OJ990510_09.9A20.C37
Gene No.	24042	Strand	-
Start	1	End	930
Name	OJ990510_09.9A20.C37.o1.tw	Method	TBLASTX:Wheat
Start	305	End	883
GI	none	Score	298
Exons	305..883, 306..872		

Seq. No.	11320	Seq. ID	OJ990510_09.9A20.C37
Gene No.	24042	Strand	-
Start	1	End	930
Name	OJ990510_09.9A20.C37.o1.gs	Method	GENSCAN
Start	331	End	926
GI	none	Score	.45
Exons	331..445, 504..926		

Seq. No.	11320	Seq. ID	OJ990510_09.9A20.C37
Gene No.	24042	Strand	-
Start	1	End	930
Name	OJ990510_09.9A20.C37.o2.tm	Method	TBLASTX:Maize
Start	368	End	655
GI	none	Score	70
Exons	368..655, 369..545		

Seq. No.	11321	Seq. ID	OJ990510_09.9A20.C38
Gene No.	24043	Strand	-
Start	536	End	749
Name	OJ990510_09.9A20.C38.o1.np	Method	AAT/NAP
Start	536	End	749

GI	5852180	Score	147
Exons	536..749		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	11321	Seq. ID	OJ990510_09.9A20.C38
Gene No.	24043	Strand	-
Start	536	End	749
Name	OJ990510_09.9A20.C38.o1.gs	Method	GENSCAN
Start	541	End	716
GI	none	Score	.99
Exons	541..716		

Seq. No.	11322	Seq. ID	OJ990510_09.9A20.C40
Gene No.	24044	Strand	-
Start	1	End	510
Name	OJ990510_09.9A20.C40.o1.np	Method	AAT/NAP
Start	1	End	352
GI	6721561	Score	184
Exons	1..34, 105..352		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11322	Seq. ID	OJ990510_09.9A20.C40
Gene No.	24044	Strand	-
Start	1	End	510
Name	OJ990510_09.9A20.C40.o1.gs	Method	GENSCAN
Start	105	End	441
GI	none	Score	.68
Exons	105..290, 358..441		

Seq. No.	11322	Seq. ID	OJ990510_09.9A20.C40
Gene No.	24044	Strand	-
Start	1	End	510
Name	OJ990510_09.9A20.C40.o2.np	Method	AAT/NAP
Start	144	End	510
GI	6721558	Score	136
Exons	144..510		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11323	Seq. ID	OJ990510_09.9A20.C41
Gene No.	24045	Strand	+
Start	22	End	481
Name	OJ990510_09.9A20.C41.o1.gs	Method	GENSCAN
Start	22	End	481
GI	none	Score	.79
Exons	22..175, 206..348, 405..481		

Seq. No.	11324	Seq. ID	OJ990510_09.9A20.C42
Gene No.	24046	Strand	+
Start	160	End	814
Name	OJ990510_09.9A20.C42.o1.gs	Method	GENSCAN
Start	160	End	814

GI	none	Score	.9
Exons	160..212, 263..400, 725..814		
Seq. No.	11324	Seq. ID	OJ990510_09.9A20.C42
Gene No.	24047	Strand	-
Start	181	End	632
Name	OJ990510_09.9A20.C42.o1.np	Method	AAT/NAP
Start	181	End	632
GI	5852180	Score	310
Exons	181..632		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	11325	Seq. ID	OJ990510_09.9A20.C44
Gene No.	24048	Strand	+
Start	1	End	981
Name	OJ990510_09.9A20.C44.o1.np	Method	AAT/NAP
Start	1	End	981
GI	6907087	Score	333
Exons	1..341, 880..981		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	11325	Seq. ID	OJ990510_09.9A20.C44
Gene No.	24049	Strand	+
Start	1438	End	1817
Name	OJ990510_09.9A20.C44.o1.gp	Method	AAT/GAP
Start	1438	End	1817
GI	uC-osf1cyp033a04b1	Score	633
Exons	1438..1817		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	11325	Seq. ID	OJ990510_09.9A20.C44
Gene No.	24050	Strand	-
Start	1	End	3433
Name	OJ990510_09.9A20.C44.o3.np	Method	AAT/NAP
Start	1	End	3433
GI	6705984	Score	372
Exons	1..68, 2527..3172, 3202..3433		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	11325	Seq. ID	OJ990510_09.9A20.C44
Gene No.	24050	Strand	-
Start	1	End	3433
Name	OJ990510_09.9A20.C44.o2.np	Method	AAT/NAP
Start	1371	End	3315
GI	4680186	Score	318
Exons	1371..1568, 3283..3315		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	11325	Seq. ID	OJ990510_09.9A20.C44
Gene No.	24050	Strand	-
Start	1	End	3433
Name	OJ990510_09.9A20.C44.o1.tw	Method	TBLASTX:Wheat
Start	2547	End	3072
GI	none	Score	131

Exons	2547..2882, 2575..2853, 2640..2876, 2904..3071, 2907..3053, 2908..3072		
Seq. No.	11325	Seq. ID	OJ990510_09.9A20.C44
Gene No.	24050	Strand	-
Start	1	End	3433
Name	OJ990510_09.9A20.C44.o1.ts	Method	TBLASTX:Soybean
Start	2652	End	3041
GI	none	Score	105
Exons	2652..2873, 2865..3041		
Seq. No.	11325	Seq. ID	OJ990510_09.9A20.C44
Gene No.	24050	Strand	-
Start	1	End	3433
Name	OJ990510_09.9A20.C44.o1.tm	Method	TBLASTX:Maize
Start	2907	End	3109
GI	none	Score	146
Exons	2907..3089, 2908..3090, 2969..3109		
Seq. No.	11326	Seq. ID	OJ990510_09.9A20.C45
Gene No.	24051	Strand	-
Start	62	End	1846
Name	OJ990510_09.9A20.C45.o1.gs	Method	GENSCAN
Start	62	End	1846
GI	none	Score	.55
Exons	62..168, 1533..1658, 1746..1846		
Seq. No.	11327	Seq. ID	OJ990510_09.9A20.C47
Gene No.	24052	Strand	-
Start	1	End	385
Name	OJ990510_09.9A20.C47.o1.np	Method	AAT/NAP
Start	1	End	385
GI	5257279	Score	443
Exons	1..385		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	11327	Seq. ID	OJ990510_09.9A20.C47
Gene No.	24052	Strand	-
Start	1	End	385
Name	OJ990510_09.9A20.C47.o1.tw	Method	TBLASTX:Wheat
Start	38	End	322
GI	none	Score	216
Exons	38..322, 48..290		
Seq. No.	11327	Seq. ID	OJ990510_09.9A20.C47
Gene No.	24052	Strand	-
Start	1	End	385
Name	OJ990510_09.9A20.C47.o1.tm	Method	TBLASTX:Maize
Start	48	End	322
GI	none	Score	191
Exons	48..290, 50..322		
Seq. No.	11328	Seq. ID	OJ990510_09.9A20.C48
Gene No.	24053	Strand	-
Start	1	End	1026
Name	OJ990510_09.9A20.C48.o1.np	Method	AAT/NAP

Start	1	End	1026
GI	4680179	Score	611
Exons	1..574, 608..1026		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11328	Seq. ID	OJ990510_09.9A20.C48
Gene No.	24053	Strand	-
Start	1	End	1026
Name	OJ990510_09.9A20.C48.o1.gs	Method	GENSCAN
Start	43	End	966
GI	none	Score	.42
Exons	43..309, 496..966		

Seq. No.	11328	Seq. ID	OJ990510_09.9A20.C48
Gene No.	24053	Strand	-
Start	1	End	1026
Name	OJ990510_09.9A20.C48.o1.tw	Method	TBLASTX:Wheat
Start	125	End	547
GI	none	Score	66
Exons	125..292, 180..293, 338..547, 339..491		

Seq. No.	11328	Seq. ID	OJ990510_09.9A20.C48
Gene No.	24053	Strand	-
Start	1	End	1026
Name	OJ990510_09.9A20.C48.o1.tm	Method	TBLASTX:Maize
Start	230	End	583
GI	none	Score	188
Exons	230..583		

Seq. No.	11329	Seq. ID	OJ990510_09.9A20.C49
Gene No.	24054	Strand	+
Start	320	End	386
Name	OJ990510_09.9A20.C49.o1.gs	Method	GENSCAN
Start	320	End	386
GI	none	Score	.67
Exons	320..386		

Seq. No.	11330	Seq. ID	OJ990510_09.9A20.C50
Gene No.	24055	Strand	+
Start	839	End	2172
Name	OJ990510_09.9A20.C50.o1.gs	Method	GENSCAN
Start	839	End	1887
GI	none	Score	.53
Exons	839..849, 915..951, 1642..1887		

Seq. No.	11330	Seq. ID	OJ990510_09.9A20.C50
Gene No.	24055	Strand	+
Start	839	End	2172
Name	OJ990510_09.9A20.C50.o2.gp	Method	AAT/GAP
Start	1778	End	2172
GI	568184	Score	547
Exons	1778..1923, 1996..2172		

Seq. No.	11330	Seq. ID	OJ990510_09.9A20.C50
Gene No.	24056	Strand	-
Start	57	End	116
Name	OJ990510_09.9A20.C50.o1.gp	Method	AAT/GAP

Start	57	End	116
GI	uC-osf1M202074a03a1	Score	86
Exons	57..116		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 4.0e-38 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	11330	Seq. ID	OJ990510_09.9A20.C50
Gene No.	24057	Strand	-
Start	3029	End	4809
Name	OJ990510_09.9A20.C50.o2.gs	Method	GENSCAN
Start	3029	End	4527
GI	none	Score	.45
Exons	3029..3234, 3726..4413, 4429..4527		

Seq. No.	11330	Seq. ID	OJ990510_09.9A20.C50
Gene No.	24057	Strand	-
Start	3029	End	4809
Name	OJ990510_09.9A20.C50.o1.tm	Method	TBLASTX:Maize
Start	3640	End	4170
GI	none	Score	67
Exons	3640..3753, 3641..3700, 3844..3924, 3863..3919, 3934..4170, 4001..4168		

Seq. No.	11330	Seq. ID	OJ990510_09.9A20.C50
Gene No.	24057	Strand	-
Start	3029	End	4809
Name	OJ990510_09.9A20.C50.o1.np	Method	AAT/NAP
Start	3976	End	4809
GI	6705984	Score	1212
Exons	3976..4809		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	11330	Seq. ID	OJ990510_09.9A20.C50
Gene No.	24057	Strand	-
Start	3029	End	4809
Name	OJ990510_09.9A20.C50.o1.tw	Method	TBLASTX:Wheat
Start	4162	End	4563
GI	none	Score	275
Exons	4162..4563, 4165..4563		

Seq. No.	11330	Seq. ID	OJ990510_09.9A20.C50
Gene No.	24057	Strand	-
Start	3029	End	4809
Name	OJ990510_09.9A20.C50.o3.tm	Method	TBLASTX:Maize
Start	4171	End	4396
GI	none	Score	130
Exons	4171..4395, 4172..4396		

Seq. No.	11330	Seq. ID	OJ990510_09.9A20.C50
Gene No.	24057	Strand	-
Start	3029	End	4809
Name	OJ990510_09.9A20.C50.o2.tm	Method	TBLASTX:Maize
Start	4402	End	4803
GI	none	Score	59
Exons	4402..4674, 4547..4672, 4675..4803		

Seq. No.	11330	Seq. ID	OJ990510_09.9A20.C50

Gene No.	24057	Strand	-
Start	3029	End	4809
Name	OJ990510_09.9A20.C50.o2.tw	Method	TBLASTX:Wheat
Start	4594	End	4809
GI	none	Score	44
Exons	4594..4668, 4599..4676, 4601..4672, 4668..4769, 4672..4809, 4676..4807, 4678..4809		

Seq. No.	11331	Seq. ID	OJ990510_09.9A20.C51
Gene No.	24058	Strand	-
Start	84	End	398
Name	OJ990510_09.9A20.C51.o1.np	Method	AAT/NAP
Start	84	End	398
GI	6721561	Score	372
Exons	84..398		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11331	Seq. ID	OJ990510_09.9A20.C51
Gene No.	24058	Strand	-
Start	84	End	398
Name	OJ990510_09.9A20.C51.o1.gs	Method	GENSCAN
Start	146	End	319
GI	none	Score	.53
Exons	146..187, 213..319		

Seq. No.	11332	Seq. ID	OJ990510_09.9A20.C54
Gene No.	24059	Strand	+
Start	117	End	2064
Name	OJ990510_09.9A20.C54.o1.np	Method	AAT/NAP
Start	117	End	2064
GI	4680186	Score	220
Exons	117..144, 1861..2064		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11332	Seq. ID	OJ990510_09.9A20.C54
Gene No.	24060	Strand	-
Start	1612	End	1993
Name	OJ990510_09.9A20.C54.o1.gp	Method	AAT/GAP
Start	1612	End	1993
GI	uC-osflcyp033a04b1	Score	627
Exons	1612..1993		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11332	Seq. ID	OJ990510_09.9A20.C54
Gene No.	24061	Strand	-
Start	2459	End	4565
Name	OJ990510_09.9A20.C54.o2.np	Method	AAT/NAP
Start	2459	End	4341
GI	6907087	Score	1372
Exons	2459..2560, 3099..3752, 3961..4341		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza		

sativa]

Seq. No.	11332	Seq. ID	OJ990510_09.9A20.C54
Gene No.	24061	Strand	-
Start	2459	End	4565
Name	OJ990510_09.9A20.C54.o2.gs	Method	GENSCAN
Start	2878	End	4565
GI	none	Score	.67
Exons	2878..3404, 3481..3714, 3762..3945, 4530..4565		

Seq. No.	11333	Seq. ID	OJ990510_09.9A20.C55
Gene No.	24062	Strand	-
Start	212	End	676
Name	OJ990510_09.9A20.C55.o1.gs	Method	GENSCAN
Start	212	End	633
GI	none	Score	.63
Exons	212..633		

Seq. No.	11333	Seq. ID	OJ990510_09.9A20.C55
Gene No.	24062	Strand	-
Start	212	End	676
Name	OJ990510_09.9A20.C55.o1.np	Method	AAT/NAP
Start	264	End	676
GI	4512247	Score	609
Exons	264..676		
GI Descrip.	(AB014753) polyprotein [Morus bombycis]		

Seq. No.	11333	Seq. ID	OJ990510_09.9A20.C55
Gene No.	24062	Strand	-
Start	212	End	676
Name	OJ990510_09.9A20.C55.o1.tw	Method	TBLASTX:Wheat
Start	298	End	673
GI	none	Score	130
Exons	298..648, 314..673, 318..650		

Seq. No.	11333	Seq. ID	OJ990510_09.9A20.C55
Gene No.	24062	Strand	-
Start	212	End	676
Name	OJ990510_09.9A20.C55.o1.tm	Method	TBLASTX:Maize
Start	302	End	611
GI	none	Score	147
Exons	302..610, 308..610, 309..611		

Seq. No.	11333	Seq. ID	OJ990510_09.9A20.C55
Gene No.	24062	Strand	-
Start	212	End	676
Name	OJ990510_09.9A20.C55.o1.ts	Method	TBLASTX:Soybean
Start	431	End	676
GI	none	Score	94
Exons	431..676, 432..674		

Seq. No.	11334	Seq. ID	OJ990510_09.9A20.C56
Gene No.	24063	Strand	-
Start	112	End	920
Name	OJ990510_09.9A20.C56.o1.gs	Method	GENSCAN
Start	112	End	920
GI	none	Score	.45

Exons	112..672, 759..920		
Seq. No.	11335	Seq. ID	OJ990630_01.9A21.C1
Gene No.	24064	Strand	+
Start	244	End	1485
Name	OJ990630_01.9A21.C1.o1.np	Method	AAT/NAP
Start	244	End	1485
GI	5922634	Score	102
Exons	244..343, 1465..1485		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	11335	Seq. ID	OJ990630_01.9A21.C1
Gene No.	24065	Strand	-
Start	224	End	427
Name	OJ990630_01.9A21.C1.o1.gs	Method	GENSCAN
Start	224	End	427
GI	none	Score	.96
Exons	224..427		
Seq. No.	11335	Seq. ID	OJ990630_01.9A21.C1
Gene No.	24066	Strand	-
Start	1063	End	1369
Name	OJ990630_01.9A21.C1.o2.gs	Method	GENSCAN
Start	1063	End	1369
GI	none	Score	.98
Exons	1063..1097, 1153..1369		
Seq. No.	11336	Seq. ID	OJ990630_01.9A21.C2
Gene No.	24067	Strand	+
Start	1	End	885
Name	OJ990630_01.9A21.C2.o1.np	Method	AAT/NAP
Start	1	End	736
GI	4063770	Score	116
Exons	1..80, 393..736		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		
Seq. No.	11336	Seq. ID	OJ990630_01.9A21.C2
Gene No.	24067	Strand	+
Start	1	End	885
Name	OJ990630_01.9A21.C2.o1.gs	Method	GENSCAN
Start	349	End	885
GI	none	Score	.86
Exons	349..885		
Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24068	Strand	+
Start	1	End	2288
Name	OJ990630_01.9A21.C3.o1.np	Method	AAT/NAP
Start	1	End	2258
GI	4056486	Score	991
Exons	1..34, 1132..2258		
GI Descrip.	(AC005896) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24068	Strand	+

Start	1	End	2288
Name	OJ990630_01.9A21.C3.o1.gs	Method	GENSCAN
Start	678	End	2288
GI	none	Score	.98
Exons	678..2288		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24068	Strand	+
Start	1	End	2288
Name	OJ990630_01.9A21.C3.o1.gp	Method	AAT/GAP
Start	1817	End	2155
GI	3107861	Score	652
Exons	1817..2155		
GI Descrip.	4056486 8.0e-36 (AC005896) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24069	Strand	+
Start	3858	End	8821
Name	OJ990630_01.9A21.C3.o2.gs	Method	GENSCAN
Start	3858	End	7143
GI	none	Score	.81
Exons	3858..4086, 4205..4226, 5868..6226, 6389..6478, 6602..6702, 7003..7143		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24069	Strand	+
Start	3858	End	8821
Name	OJ990630_01.9A21.C3.o2.np	Method	AAT/NAP
Start	3867	End	8821
GI	3822036	Score	447
Exons	3867..4090, 5904..6045, 6136..6226, 6389..6478, 6602..6706, 8766..8821		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24069	Strand	+
Start	3858	End	8821
Name	OJ990630_01.9A21.C3.o3.gp	Method	AAT/GAP
Start	7095	End	7320
GI	uC-osflcyp067d07a1	Score	368
Exons	7095..7320		
GI Descrip.	'4388731/gb|AAD19769| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24070	Strand	-
Start	7990	End	8478
Name	OJ990630_01.9A21.C3.o3.gs	Method	GENSCAN
Start	7990	End	8478
GI	none	Score	.47
Exons	7990..8152, 8232..8367, 8439..8478		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24071	Strand	-
Start	8382	End	9673
Name	OJ990630_01.9A21.C3.o1.tm	Method	TBLASTX:Maize

Start	1077	End	1907
GI	none	Score	155
Exons	1077..1394, 1353..1706, 1354..1518, 1356..1700, 1361..1801, 1558..1704, 1706..1849, 1707..1883, 1707..1889, 1711..1890, 1854..1907, 1887..1907		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24071	Strand	-
Start	8382	End	9673
Name	OJ990630_01.9A21.C3.o1.tc	Method	TBLASTX:Cress
Start	1101	End	1808
GI	none	Score	145
Exons	1101..1394, 1164..1403, 1172..1345, 1173..1394, 1263..1706, 1401..1457, 1425..1646, 1542..1718, 1572..1784, 1698..1808, 1712..1804		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24071	Strand	-
Start	8382	End	9673
Name	OJ990630_01.9A21.C3.o1.tw	Method	TBLASTX:Wheat
Start	1101	End	1808
GI	none	Score	204
Exons	1101..1481, 1374..1808, 1412..1804		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24071	Strand	-
Start	8382	End	9673
Name	OJ990630_01.9A21.C3.o2.ts	Method	TBLASTX:Soybean
Start	1104	End	1751
GI	none	Score	173
Exons	1104..1469, 1398..1751, 1523..1687		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24071	Strand	-
Start	8382	End	9673
Name	OJ990630_01.9A21.C3.o1.ts	Method	TBLASTX:Soybean
Start	1806	End	2192
GI	none	Score	296
Exons	1806..2192, 1916..2149		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24071	Strand	-
Start	8382	End	9673
Name	OJ990630_01.9A21.C3.o2.tc	Method	TBLASTX:Cress
Start	1815	End	2141
GI	none	Score	247
Exons	1815..2141, 1830..1994, 1916..2134		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24071	Strand	-
Start	8382	End	9673
Name	OJ990630_01.9A21.C3.o2.tm	Method	TBLASTX:Maize
Start	1910	End	2186
GI	none	Score	220
Exons	1910..2155, 1917..2186		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3

Gene No.	24071	Strand	-
Start	8382	End	9673
Name	OJ990630_01.9A21.C3.o3.tm	Method	TBLASTX:Maize
Start	5956	End	6711
GI	none	Score	41
Exons	5956..5985, 6001..6048, 6133..6252, 6135..6194, 6382..6492, 6387..6485, 6588..6710, 6589..6711		

Seq. No.	11337	Seq. ID	OJ990630_01.9A21.C3
Gene No.	24071	Strand	-
Start	8382	End	9673
Name	OJ990630_01.9A21.C3.o3.np	Method	AAT/NAP
Start	8382	End	9673
GI	4557565	Score	103
Exons	8382..8651, 9653..9673		
GI Descrip.	excision repair cross-complementing rodent repair deficiency, complementation group 6 gi|416959|sp|Q03468|ERC6_HUMAN EXCISION REPAIR PROTEIN ERCC-6 (COCKAYNE SYNDROME PROTEIN CSB) gi|345826|pir||A44224 DNA repair helicase ERCC6 - human gi|182181 (L04791) excision repair protein [Homo sapiens]		

Seq. No.	11338	Seq. ID	OJ990630_01.9A21.C4
Gene No.	24072	Strand	+
Start	1	End	2002
Name	OJ990630_01.9A21.C4.o1.np	Method	AAT/NAP
Start	1	End	2002
GI	6907087	Score	1281
Exons	1..307, 681..1349, 1901..2002		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11338	Seq. ID	OJ990630_01.9A21.C4
Gene No.	24073	Strand	+
Start	2467	End	2849
Name	OJ990630_01.9A21.C4.o1.gp	Method	AAT/GAP
Start	2467	End	2849
GI	uC-osflcyp033a04b1	Score	688
Exons	2467..2849		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11338	Seq. ID	OJ990630_01.9A21.C4
Gene No.	24074	Strand	+
Start	5435	End	5681
Name	OJ990630_01.9A21.C4.o2.gs	Method	GENSCAN
Start	5435	End	5681
GI	none	Score	.77
Exons	5435..5681		

Seq. No.	11338	Seq. ID	OJ990630_01.9A21.C4
Gene No.	24075	Strand	-
Start	2396	End	4344
Name	OJ990630_01.9A21.C4.o2.np	Method	AAT/NAP
Start	2396	End	4344
GI	4680186	Score	236
Exons	2396..2599, 4241..4344		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	11339	Seq. ID	OJ990630_01.9A21.C5
Gene No.	24076	Strand	+
Start	326	End	2002
Name	OJ990630_01.9A21.C5.o1.np	Method	AAT/NAP
Start	326	End	2002
GI	3822036	Score	35
Exons	326..345, 1512..1728, 1953..2002		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	11340	Seq. ID	OJ990630_01.9A21.C6
Gene No.	24077	Strand	+
Start	1	End	2082
Name	OJ990630_01.9A21.C6.o1.np	Method	AAT/NAP
Start	1	End	2082
GI	3822036	Score	164
Exons	1..51, 208..292, 421..574, 2014..2082		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	11340	Seq. ID	OJ990630_01.9A21.C6
Gene No.	24077	Strand	+
Start	1	End	2082
Name	OJ990630_01.9A21.C6.o1.gs	Method	GENSCAN
Start	179	End	1157
GI	none	Score	.87
Exons	179..292, 421..521, 1017..1157		

Seq. No.	11340	Seq. ID	OJ990630_01.9A21.C6
Gene No.	24078	Strand	+
Start	3404	End	9447
Name	OJ990630_01.9A21.C6.o3.gs	Method	GENSCAN
Start	3404	End	7118
GI	none	Score	.48
Exons	3404..3641, 4707..4886, 4930..5263, 6158..6247, 6543..6756, 7041..7118		

Seq. No.	11340	Seq. ID	OJ990630_01.9A21.C6
Gene No.	24078	Strand	+
Start	3404	End	9447
Name	OJ990630_01.9A21.C6.o2.np	Method	AAT/NAP
Start	3410	End	9447
GI	3822036	Score	210
Exons	3410..3645, 5891..6037, 9414..9447		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	11340	Seq. ID	OJ990630_01.9A21.C6
Gene No.	24078	Strand	+
Start	3404	End	9447
Name	OJ990630_01.9A21.C6.o1.gp	Method	AAT/GAP
Start	6743	End	7143
GI	none	Score	731
Exons	6743..7143		

Seq. No.	11340	Seq. ID	OJ990630_01.9A21.C6
Gene No.	24079	Strand	-
Start	2744	End	2991

Name	OJ990630_01.9A21.C6.o2.gs	Method	GENSCAN
Start	2744	End	2991
GI	none	Score	.87
Exons	2744..2884, 2926..2991		

Seq. No.	11340	Seq. ID	OJ990630_01.9A21.C6
Gene No.	24080	Strand	-
Start	7864	End	9193
Name	OJ990630_01.9A21.C6.o4.gs	Method	GENSCAN
Start	7864	End	9189
GI	none	Score	.49
Exons	7864..7923, 8013..8120, 8690..8764, 8875..9189		

Seq. No.	11340	Seq. ID	OJ990630_01.9A21.C6
Gene No.	24080	Strand	-
Start	7864	End	9193
Name	OJ990630_01.9A21.C6.o2.gp	Method	AAT/GAP
Start	9038	End	9193
GI	none	Score	212
Exons	9038..9193		

Seq. No.	11341	Seq. ID	OJ990630_01.9A21.C7
Gene No.	24081	Strand	+
Start	315	End	1665
Name	OJ990630_01.9A21.C7.o1.tm	Method	TBLASTX:Maize
Start	306	End	909
GI	none	Score	71
Exons	306..377, 378..407, 582..692, 582..683, 584..688, 767..880, 768..878, 768..881, 769..909		

Seq. No.	11341	Seq. ID	OJ990630_01.9A21.C7
Gene No.	24081	Strand	+
Start	315	End	1665
Name	OJ990630_01.9A21.C7.o1.gs	Method	GENSCAN
Start	315	End	1430
GI	none	Score	.97
Exons	315..405, 592..681, 773..873, 1290..1430		

Seq. No.	11341	Seq. ID	OJ990630_01.9A21.C7
Gene No.	24081	Strand	+
Start	315	End	1665
Name	OJ990630_01.9A21.C7.o1.np	Method	AAT/NAP
Start	315	End	873
GI	3822036	Score	231
Exons	315..405, 592..681, 773..873		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	11341	Seq. ID	OJ990630_01.9A21.C7
Gene No.	24081	Strand	+
Start	315	End	1665
Name	OJ990630_01.9A21.C7.o1.gp	Method	AAT/GAP
Start	592	End	873
GI	57287_1.R1084	Score	281
Exons	592..681, 773..873		
GI Descrip.	'3822036 2.0e-29 (AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]'		

Seq. No.	11341	Seq. ID	OJ990630_01.9A21.C7
Gene No.	24081	Strand	+
Start	315	End	1665
Name	OJ990630_01.9A21.C7.o2.gp	Method	AAT/GAP
Start	1290	End	1665
GI	57287_1.R1084	Score	576
Exons	1290..1665		
GI Descrip.	'3822036 2.0e-29 (AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]'		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24082	Strand	+
Start	373	End	2998
Name	OJ990630_01.9A21.C8.o1.gs	Method	GENSCAN
Start	373	End	2859
GI	none	Score	.71
Exons	373..463, 469..746, 1271..1355, 2452..2859		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24082	Strand	+
Start	373	End	2998
Name	OJ990630_01.9A21.C8.o2.gp	Method	AAT/GAP
Start	2453	End	2998
GI	69816_1.R1084	Score	704
Exons	2453..2862, 2960..2998		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 3.0e-15 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24082	Strand	+
Start	373	End	2998
Name	OJ990630_01.9A21.C8.o1.np	Method	AAT/NAP
Start	2596	End	2871
GI	5834538	Score	132
Exons	2596..2871		
GI Descrip.	(Z46522) bcn92 [Drosophila subobscura]		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24083	Strand	+
Start	5940	End	6893
Name	OJ990630_01.9A21.C8.o3.gs	Method	GENSCAN
Start	5940	End	6893
GI	none	Score	.58
Exons	5940..6159, 6724..6893		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24084	Strand	+
Start	9367	End	11837
Name	OJ990630_01.9A21.C8.o2.np	Method	AAT/NAP
Start	8926	End	11837
GI	3822036	Score	269
Exons	8926..8966, 9378..9513, 9750..9841, 10266..10355, 10482..10582, 11463..11604, 11789..11837		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24084	Strand	+

Start	9367	End	11837
Name	OJ990630_01.9A21.C8.o5.gs	Method	GENSCAN
Start	9367	End	11538
GI	none	Score	.83
Exons	9367..9513, 10460..10585, 11416..11538		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24085	Strand	+
Start	15513	End	23681
Name	OJ990630_01.9A21.C8.o6.gs	Method	GENSCAN
Start	15513	End	15972
GI	none	Score	.91
Exons	15513..15738, 15950..15972		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24085	Strand	+
Start	15513	End	23681
Name	OJ990630_01.9A21.C8.o3.gp	Method	AAT/GAP
Start	15563	End	23681
GI	86837_1.R1084	Score	1608
Exons	15563..15738, 15898..15919, 21477..21594, 21906..21996, 22170..22259, 22356..22459, 23394..23681		
GI Descrip.	'3822036 1.0e-67 (AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]'		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24085	Strand	+
Start	15513	End	23681
Name	OJ990630_01.9A21.C8.o4.np	Method	AAT/NAP
Start	20217	End	23128
GI	3822036	Score	345
Exons	20217..20293, 21473..21594, 21906..21996, 22170..22259, 22356..22459, 23103..23128		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24085	Strand	+
Start	15513	End	23681
Name	OJ990630_01.9A21.C8.o8.gs	Method	GENSCAN
Start	21445	End	23534
GI	none	Score	.96
Exons	21445..21594, 21906..21996, 22170..22259, 22356..22459, 23394..23534		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24086	Strand	-
Start	3076	End	4314
Name	OJ990630_01.9A21.C8.o2.gs	Method	GENSCAN
Start	3076	End	4314
GI	none	Score	.49
Exons	3076..3279, 4303..4314		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24087	Strand	-
Start	7443	End	7673
Name	OJ990630_01.9A21.C8.o4.gs	Method	GENSCAN
Start	7443	End	7673

GI	none	Score	.72
Exons	7443..7673		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24088	Strand	-
Start	19428	End	22654
Name	OJ990630_01.9A21.C8.o7.gs	Method	GENSCAN
Start	19428	End	21039
GI	none	Score	.79
Exons	19428..19877, 19942..20004, 20447..20638, 20690..20710, 21034..21039		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24088	Strand	-
Start	19428	End	22654
Name	OJ990630_01.9A21.C8.o3.np	Method	AAT/NAP
Start	20700	End	22654
GI	6721512	Score	81
Exons	20700..20837, 20864..20966, 22613..22654		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24089	Strand	-
Start	24593	End	25208
Name	OJ990630_01.9A21.C8.o1.tm	Method	TBLASTX:Maize
Start	2569	End	3058
GI	none	Score	378
Exons	2569..2868, 2588..2686, 2599..2766, 2781..2864, 2969..3058, 2980..3042		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24089	Strand	-
Start	24593	End	25208
Name	OJ990630_01.9A21.C8.o2.tm	Method	TBLASTX:Maize
Start	9430	End	22455
GI	none	Score	78
Exons	9430..9516, 9432..9515, 9743..9811, 9744..9812, 9820..9852, 10259..10357, 10261..10356, 10480..10581, 10481..10618, 21511..21597, 21513..21596, 21899..21964, 21900..21968, 21942..22007, 21980..22009, 22163..22261, 22163..22261, 22168..22266, 22348..22455, 22352..22450		

Seq. No.	11342	Seq. ID	OJ990630_01.9A21.C8
Gene No.	24089	Strand	-
Start	24593	End	25208
Name	OJ990630_01.9A21.C8.o9.gs	Method	GENSCAN
Start	24593	End	25208
GI	none	Score	.9
Exons	24593..24723, 24941..25208		

Seq. No.	11343	Seq. ID	OJ990630_01.9A21.C9
Gene No.	24090	Strand	+
Start	335	End	2948
Name	OJ990630_01.9A21.C9.o1.gs	Method	GENSCAN
Start	335	End	2948
GI	none	Score	.74
Exons	335..406, 478..640, 769..899, 1222..1318, 1822..1955, 2814..2948		

Seq. No.	11343	Seq. ID	OJ990630_01.9A21.C9
Gene No.	24091	Strand	+
Start	3738	End	3815
Name	OJ990630_01.9A21.C9.o1.np	Method	AAT/NAP
Start	3738	End	3815
GI	6630699	Score	61
Exons	3738..3815		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11343	Seq. ID	OJ990630_01.9A21.C9
Gene No.	24092	Strand	+
Start	6612	End	7956
Name	OJ990630_01.9A21.C9.o3.np	Method	AAT/NAP
Start	6612	End	7956
GI	6630699	Score	75
Exons	6612..6638, 7850..7956		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11343	Seq. ID	OJ990630_01.9A21.C9
Gene No.	24093	Strand	-
Start	3952	End	7831
Name	OJ990630_01.9A21.C9.o2.gs	Method	GENSCAN
Start	3952	End	7831
GI	none	Score	.47
Exons	3952..4226, 5447..5531, 5563..5673, 5781..5886, 6202..6312, 6329..6436, 6469..6623, 7262..7286, 7337..7481, 7649..7739, 7757..7831		

Seq. No.	11343	Seq. ID	OJ990630_01.9A21.C9
Gene No.	24093	Strand	-
Start	3952	End	7831
Name	OJ990630_01.9A21.C9.o2.np	Method	AAT/NAP
Start	3955	End	7818
GI	5922620	Score	755
Exons	3955..4085, 5447..5531, 6065..6241, 6289..6580, 7715..7818		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11343	Seq. ID	OJ990630_01.9A21.C9
Gene No.	24094	Strand	-
Start	8093	End	9866
Name	OJ990630_01.9A21.C9.o3.gs	Method	GENSCAN
Start	8093	End	8347
GI	none	Score	.98
Exons	8093..8347		

Seq. No.	11343	Seq. ID	OJ990630_01.9A21.C9
Gene No.	24094	Strand	-
Start	8093	End	9866

Name	OJ990630_01.9A21.C9.o4.np	Method	AAT/NAP
Start	8096	End	9866
GI	5922620	Score	172
Exons	8096..8227, 9784..9866		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11343	Seq. ID	OJ990630_01.9A21.C9
Gene No.	24095	Strand	-
Start	11108	End	11556
Name	OJ990630_01.9A21.C9.o4.gs	Method	GENSCAN
Start	11108	End	11556
GI	none	Score	.47
Exons	11108..11260, 11479..11556		

Seq. No.	11344	Seq. ID	OJ990630_01.9A21.C10
Gene No.	24096	Strand	-
Start	381	End	1543
Name	OJ990630_01.9A21.C10.o1.gs	Method	GENSCAN
Start	381	End	1499
GI	none	Score	.66
Exons	381..1499		

Seq. No.	11344	Seq. ID	OJ990630_01.9A21.C10
Gene No.	24096	Strand	-
Start	381	End	1543
Name	OJ990630_01.9A21.C10.o1.np	Method	AAT/NAP
Start	384	End	1543
GI	6630696	Score	1927
Exons	384..1543		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	11344	Seq. ID	OJ990630_01.9A21.C10
Gene No.	24096	Strand	-
Start	381	End	1543
Name	OJ990630_01.9A21.C10.o1.tw	Method	TBLASTX:Wheat
Start	520	End	995
GI	none	Score	410
Exons	520..906, 521..904, 525..905, 921..995, 922..990, 935..994		

Seq. No.	11344	Seq. ID	OJ990630_01.9A21.C10
Gene No.	24096	Strand	-
Start	381	End	1543
Name	OJ990630_01.9A21.C10.o1.ts	Method	TBLASTX:Soybean
Start	633	End	1007
GI	none	Score	58
Exons	633..857, 727..858, 876..1001, 876..1007		

Seq. No.	11344	Seq. ID	OJ990630_01.9A21.C10
Gene No.	24096	Strand	-
Start	381	End	1543
Name	OJ990630_01.9A21.C10.o1.tm	Method	TBLASTX:Maize

Start	851	End	1200
GI	none	Score	83
Exons	851..1099, 852..1190, 853..1200		

Seq. No.	11344	Seq. ID	OJ990630_01.9A21.C10
Gene No.	24096	Strand	-
Start	381	End	1543
Name	OJ990630_01.9A21.C10.o2.tw	Method	TBLASTX:Wheat
Start	996	End	1541
GI	none	Score	107
Exons	996..1049, 1203..1409, 1404..1541		

Seq. No.	11344	Seq. ID	OJ990630_01.9A21.C10
Gene No.	24096	Strand	-
Start	381	End	1543
Name	OJ990630_01.9A21.C10.o2.ts	Method	TBLASTX:Soybean
Start	1011	End	1350
GI	none	Score	71
Exons	1011..1190, 1018..1191, 1209..1349, 1210..1350		

Seq. No.	11344	Seq. ID	OJ990630_01.9A21.C10
Gene No.	24096	Strand	-
Start	381	End	1543
Name	OJ990630_01.9A21.C10.o2.tm	Method	TBLASTX:Maize
Start	1203	End	1535
GI	none	Score	57
Exons	1203..1535, 1399..1497		

Seq. No.	11345	Seq. ID	OJ990630_01.9A21.C11
Gene No.	24097	Strand	-
Start	1	End	713
Name	OJ990630_01.9A21.C11.o1.np	Method	AAT/NAP
Start	1	End	713
GI	6742729	Score	533
Exons	1..74, 288..713		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	11345	Seq. ID	OJ990630_01.9A21.C11
Gene No.	24097	Strand	-
Start	1	End	713
Name	OJ990630_01.9A21.C11.o1.tc	Method	TBLASTX:Cress
Start	274	End	545
GI	none	Score	80
Exons	274..366, 304..534, 365..535, 378..545, 413..535		

Seq. No.	11345	Seq. ID	OJ990630_01.9A21.C11
Gene No.	24097	Strand	-
Start	1	End	713
Name	OJ990630_01.9A21.C11.o1.tw	Method	TBLASTX:Wheat
Start	274	End	704
GI	none	Score	74
Exons	274..366, 304..534, 365..535, 378..554, 540..644, 540..704, 541..696, 669..704		

Seq. No.	11345	Seq. ID	OJ990630_01.9A21.C11
Gene No.	24097	Strand	-
Start	1	End	713

Name	OJ990630_01.9A21.C11.o1.gs	Method	GENSCAN
Start	343	End	510
GI	none	Score	.48
Exons	343..510		

Seq. No.	11346	Seq. ID	OJ990630_01.9A21.C13
Gene No.	24098	Strand	+
Start	1253	End	1335
Name	OJ990630_01.9A21.C13.o1.gs	Method	GENSCAN
Start	1253	End	1335
GI	none	Score	.74
Exons	1253..1335		

Seq. No.	11347	Seq. ID	OJ990630_01.9A21.C14
Gene No.	24099	Strand	+
Start	1	End	566
Name	OJ990630_01.9A21.C14.o1.np	Method	AAT/NAP
Start	1	End	560
GI	1890575	Score	199
Exons	1..34, 179..560		
GI Descrip.	(X93174) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		

Seq. No.	11347	Seq. ID	OJ990630_01.9A21.C14
Gene No.	24099	Strand	+
Start	1	End	566
Name	OJ990630_01.9A21.C14.o1.gs	Method	GENSCAN
Start	179	End	566
GI	none	Score	.99
Exons	179..566		

Seq. No.	11347	Seq. ID	OJ990630_01.9A21.C14
Gene No.	24100	Strand	-
Start	963	End	1093
Name	OJ990630_01.9A21.C14.o1.tm	Method	TBLASTX:Maize
Start	182	End	527
GI	none	Score	224
Exons	182..373, 186..419, 468..527		

Seq. No.	11347	Seq. ID	OJ990630_01.9A21.C14
Gene No.	24100	Strand	-
Start	963	End	1093
Name	OJ990630_01.9A21.C14.o1.ts	Method	TBLASTX:Soybean
Start	186	End	557
GI	none	Score	51
Exons	186..239, 233..352, 234..467, 468..527, 537..557		

Seq. No.	11347	Seq. ID	OJ990630_01.9A21.C14
Gene No.	24100	Strand	-
Start	963	End	1093
Name	OJ990630_01.9A21.C14.o1.tc	Method	TBLASTX:Cress
Start	216	End	527
GI	none	Score	205
Exons	216..410, 218..397, 492..527		

Seq. No.	11347	Seq. ID	OJ990630_01.9A21.C14
Gene No.	24100	Strand	-
Start	963	End	1093

Name	OJ990630_01.9A21.C14.o2.gs	Method	GENSCAN
Start	963	End	1093
GI	none	Score	1
Exons	963..1007, 1049..1093		

Seq. No.	11348	Seq. ID	OJ990630_01.9A21.C16
Gene No.	24101	Strand	-
Start	1	End	663
Name	OJ990630_01.9A21.C16.o1.np	Method	AAT/NAP
Start	1	End	663
GI	6630696	Score	1136
Exons	1..663		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	11348	Seq. ID	OJ990630_01.9A21.C16
Gene No.	24101	Strand	-
Start	1	End	663
Name	OJ990630_01.9A21.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	242
GI	none	Score	81
Exons	1..195, 3..242, 63..200		

Seq. No.	11348	Seq. ID	OJ990630_01.9A21.C16
Gene No.	24101	Strand	-
Start	1	End	663
Name	OJ990630_01.9A21.C16.o1.tc	Method	TBLASTX:Cress
Start	3	End	155
GI	none	Score	98
Exons	3..155, 10..153		

Seq. No.	11348	Seq. ID	OJ990630_01.9A21.C16
Gene No.	24101	Strand	-
Start	1	End	663
Name	OJ990630_01.9A21.C16.o1.ts	Method	TBLASTX:Soybean
Start	3	End	248
GI	5509260	Score	101
Exons	3..248, 22..153		
GI Descrip.	-		

Seq. No.	11348	Seq. ID	OJ990630_01.9A21.C16
Gene No.	24101	Strand	-
Start	1	End	663
Name	OJ990630_01.9A21.C16.o1.gs	Method	GENSCAN
Start	74	End	542
GI	none	Score	.48
Exons	74..542		

Seq. No.	11348	Seq. ID	OJ990630_01.9A21.C16
Gene No.	24101	Strand	-
Start	1	End	663
Name	OJ990630_01.9A21.C16.o1.tw	Method	TBLASTX:Wheat
Start	168	End	662
GI	none	Score	189
Exons	168..356, 172..357, 407..646, 417..662, 418..660, 450..662		

Seq. No.	11349	Seq. ID	OJ990630_01.9A21.C17
Gene No.	24102	Strand	+
Start	227	End	358
Name	OJ990630_01.9A21.C17.o1.gs	Method	GENSCAN
Start	227	End	358
GI	none	Score	.92
Exons	227..358		

Seq. No.	11349	Seq. ID	OJ990630_01.9A21.C17
Gene No.	24103	Strand	-
Start	1	End	1634
Name	OJ990630_01.9A21.C17.o1.np	Method	AAT/NAP
Start	1	End	1634
GI	6630696	Score	2817
Exons	1..1634		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	11349	Seq. ID	OJ990630_01.9A21.C17
Gene No.	24103	Strand	-
Start	1	End	1634
Name	OJ990630_01.9A21.C17.o2.gs	Method	GENSCAN
Start	628	End	1634
GI	none	Score	.95
Exons	628..776, 887..1634		

Seq. No.	11349	Seq. ID	OJ990630_01.9A21.C17
Gene No.	24103	Strand	-
Start	1	End	1634
Name	OJ990630_01.9A21.C17.o1.gp	Method	AAT/GAP
Start	702	End	1592
GI	101595_1.R1084	Score	1447
Exons	702..776, 892..1592		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	11349	Seq. ID	OJ990630_01.9A21.C17
Gene No.	24104	Strand	-
Start	2024	End	2768
Name	OJ990630_01.9A21.C17.o2.tw	Method	TBLASTX:Wheat
Start	1	End	198
GI	none	Score	228
Exons	1..198, 1..195, 3..197		

Seq. No.	11349	Seq. ID	OJ990630_01.9A21.C17
Gene No.	24104	Strand	-
Start	2024	End	2768
Name	OJ990630_01.9A21.C17.o1.ts	Method	TBLASTX:Soybean
Start	63	End	443
GI	none	Score	77
Exons	63..311, 294..443		

Seq. No.	11349	Seq. ID	OJ990630_01.9A21.C17
Gene No.	24104	Strand	-
Start	2024	End	2768
Name	OJ990630_01.9A21.C17.o1.tm	Method	TBLASTX:Maize

Start	417	End	761
GI	none	Score	365
Exons	417..458, 487..759, 487..759, 488..760, 488..760, 489..761		

Seq. No.	11349	Seq. ID	OJ990630_01.9A21.C17
Gene No.	24104	Strand	-
Start	2024	End	2768
Name	OJ990630_01.9A21.C17.o2.tm	Method	TBLASTX:Maize
Start	1284	End	1592
GI	none	Score	120
Exons	1284..1592, 1287..1463, 1349..1492, 1363..1545		

Seq. No.	11349	Seq. ID	OJ990630_01.9A21.C17
Gene No.	24104	Strand	-
Start	2024	End	2768
Name	OJ990630_01.9A21.C17.o1.tw	Method	TBLASTX:Wheat
Start	1343	End	1740
GI	none	Score	163
Exons	1343..1525, 1344..1628, 1363..1554, 1605..1739, 1666..1740		

Seq. No.	11349	Seq. ID	OJ990630_01.9A21.C17
Gene No.	24104	Strand	-
Start	2024	End	2768
Name	OJ990630_01.9A21.C17.o3.gs	Method	GENSCAN
Start	2024	End	2768
GI	none	Score	.86
Exons	2024..2100, 2163..2268, 2742..2768		

Seq. No.	11350	Seq. ID	OJ990630_01.9A21.C18
Gene No.	24105	Strand	+
Start	30	End	1541
Name	OJ990630_01.9A21.C18.o1.gs	Method	GENSCAN
Start	30	End	1541
GI	none	Score	.43
Exons	30..112, 1072..1383, 1388..1541		

Seq. No.	11351	Seq. ID	OJ990630_01.9A21.C19
Gene No.	24106	Strand	+
Start	1	End	460
Name	OJ990630_01.9A21.C19.o1.np	Method	AAT/NAP
Start	1	End	460
GI	4539424	Score	333
Exons	1..460		
GI Descrip.	(AL049171) steroid sulfotransferase-like protein [Arabidopsis thaliana]		

Seq. No.	11351	Seq. ID	OJ990630_01.9A21.C19
Gene No.	24106	Strand	+
Start	1	End	460
Name	OJ990630_01.9A21.C19.o1.gs	Method	GENSCAN
Start	14	End	450
GI	none	Score	.84
Exons	14..123, 138..450		

Seq. No.	11351	Seq. ID	OJ990630_01.9A21.C19
Gene No.	24107	Strand	+
Start	1934	End	2869

Name	OJ990630_01.9A21.C19.o2.gs	Method	GENSCAN
Start	1934	End	2869
GI	none	Score	.61
Exons	1934..1990, 2516..2552, 2748..2869		

Seq. No.	11351	Seq. ID	OJ990630_01.9A21.C19
Gene No.	24108	Strand	-
Start	3648	End	6529
Name	OJ990630_01.9A21.C19.o1.tc	Method	TBLASTX:Cress
Start	19	End	4079
GI	none	Score	235
Exons	19..294, 33..293, 292..405, 322..441, 3657..3776, 3804..4079		

Seq. No.	11351	Seq. ID	OJ990630_01.9A21.C19
Gene No.	24108	Strand	-
Start	3648	End	6529
Name	OJ990630_01.9A21.C19.o2.tm	Method	TBLASTX:Maize
Start	19	End	6052
GI	none	Score	199
Exons	19..261, 3837..4079, 3841..3966, 4107..4160, 5972..6007, 6017..6052		

Seq. No.	11351	Seq. ID	OJ990630_01.9A21.C19
Gene No.	24108	Strand	-
Start	3648	End	6529
Name	OJ990630_01.9A21.C19.o2.np	Method	AAT/NAP
Start	3648	End	6456
GI	285286	Score	414
Exons	3648..4143, 5979..6456		
GI Descrip.	flavonol 4'-sulfotransferase - Flaveria chloraefolia		

Seq. No.	11351	Seq. ID	OJ990630_01.9A21.C19
Gene No.	24108	Strand	-
Start	3648	End	6529
Name	OJ990630_01.9A21.C19.o3.gs	Method	GENSCAN
Start	3648	End	6529
GI	none	Score	.96
Exons	3648..4143, 5699..5755, 5979..6529		

Seq. No.	11351	Seq. ID	OJ990630_01.9A21.C19
Gene No.	24108	Strand	-
Start	3648	End	6529
Name	OJ990630_01.9A21.C19.o1.tm	Method	TBLASTX:Maize
Start	6134	End	6476
GI	none	Score	49
Exons	6134..6202, 6135..6206, 6185..6283, 6186..6290, 6296..6475, 6387..6476		

Seq. No.	11352	Seq. ID	OJ990630_01.9A21.C20
Gene No.	24109	Strand	-
Start	6348	End	6419
Name	OJ990630_01.9A21.C20.o1.tw	Method	TBLASTX:Wheat
Start	5853	End	6240
GI	none	Score	64
Exons	5853..5978, 5854..5979, 5854..5991, 5855..5986, 6024..6071, 6025..6072, 6032..6070, 6049..6126, 6208..6240		

Seq. No.	11352	Seq. ID	OJ990630_01.9A21.C20
Gene No.	24109	Strand	-
Start	6348	End	6419
Name	OJ990630_01.9A21.C20.o2.gs	Method	GENSCAN
Start	6348	End	6419
GI	none	Score	.52
Exons	6348..6419		

Seq. No.	11353	Seq. ID	OJ990630_01.9A21.C21
Gene No.	24110	Strand	+
Start	2025	End	4238
Name	OJ990630_01.9A21.C21.o1.np	Method	AAT/NAP
Start	2025	End	4238
GI	5441880	Score	886
Exons	2025..3033, 3476..3525, 3787..4238		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	11353	Seq. ID	OJ990630_01.9A21.C21
Gene No.	24110	Strand	+
Start	2025	End	4238
Name	OJ990630_01.9A21.C21.o1.tm	Method	TBLASTX:Maize
Start	2594	End	3176
GI	none	Score	126
Exons	2594..2716, 2595..2747, 2747..3052, 2748..3056, 3096..3176, 3098..3124		

Seq. No.	11353	Seq. ID	OJ990630_01.9A21.C21
Gene No.	24110	Strand	+
Start	2025	End	4238
Name	OJ990630_01.9A21.C21.o1.tw	Method	TBLASTX:Wheat
Start	2885	End	3272
GI	none	Score	192
Exons	2885..3034, 2886..3062, 2886..3035, 3075..3272, 3083..3130, 3087..3176, 3109..3195		

Seq. No.	11354	Seq. ID	OJ990630_01.9A21.C22
Gene No.	24111	Strand	+
Start	209	End	3979
Name	OJ990630_01.9A21.C22.o1.gs	Method	GENSCAN
Start	209	End	3979
GI	none	Score	.6
Exons	209..359, 442..865, 1083..1208, 1301..1501, 1525..1598, 1691..1958, 2213..2444, 2510..2590, 2627..2747, 3468..3732, 3893..3979		

Seq. No.	11354	Seq. ID	OJ990630_01.9A21.C22
Gene No.	24111	Strand	+
Start	209	End	3979
Name	OJ990630_01.9A21.C22.o1.np	Method	AAT/NAP
Start	242	End	3137
GI	5441880	Score	405
Exons	242..378, 485..790, 1307..1571, 1669..1933, 2340..2590, 2896..3137		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein.		

(AC003981) [Oryza sativa]

Seq. No.	11354	Seq. ID	OJ990630_01.9A21.C22
Gene No.	24112	Strand	-
Start	3549	End	3917
Name	OJ990630_01.9A21.C22.o1.tw	Method	TBLASTX:Wheat
Start	524	End	3564
GI	none	Score	92
Exons	524..577, 527..580, 586..714, 587..715, 749..784, 821..853, 3463..3564		

Seq. No.	11354	Seq. ID	OJ990630_01.9A21.C22
Gene No.	24112	Strand	-
Start	3549	End	3917
Name	OJ990630_01.9A21.C22.o2.np	Method	AAT/NAP
Start	3549	End	3917
GI	5042454	Score	298
Exons	3549..3917		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24113	Strand	+
Start	249	End	7773
Name	OJ990630_01.9A21.C23.o1.gs	Method	GENSCAN
Start	249	End	7773
GI	none	Score	.47
Exons	249..340, 392..520, 662..927, 1491..1694, 1910..2367, 2403..2567, 2955..3197, 4164..5306, 5417..5810, 6002..6119, 6723..6904, 7071..7200, 7536..7682, 7693..7773		

Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24113	Strand	+
Start	249	End	7773
Name	OJ990630_01.9A21.C23.o2.np	Method	AAT/NAP
Start	1926	End	5811
GI	6539553	Score	6106
Exons	1926..5811		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24114	Strand	-
Start	1	End	1438
Name	OJ990630_01.9A21.C23.o1.np	Method	AAT/NAP
Start	1	End	1438
GI	6815109	Score	154
Exons	1..225, 1418..1438		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24115	Strand	-
Start	9659	End	10471
Name	OJ990630_01.9A21.C23.o3.np	Method	AAT/NAP
Start	9659	End	10471
GI	4680203	Score	651

Exons	9659..10471		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o5.tw	Method	TBLASTX:Wheat
Start	1920	End	2307
GI	none	Score	323
Exons	1920..2306, 1931..2305, 2155..2307		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o3.tm	Method	TBLASTX:Maize
Start	2055	End	2360
GI	none	Score	320
Exons	2055..2360, 2069..2338, 2073..2360		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o1.tm	Method	TBLASTX:Maize
Start	2863	End	3185
GI	none	Score	212
Exons	2863..3117, 2870..3184, 2890..3183, 3003..3185		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o4.tm	Method	TBLASTX:Maize
Start	3386	End	3820
GI	none	Score	300
Exons	3386..3820, 3595..3795		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o6.tw	Method	TBLASTX:Wheat
Start	3460	End	3655
GI	none	Score	71
Exons	3460..3552, 3461..3655, 3464..3655		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o3.ts	Method	TBLASTX:Soybean
Start	3608	End	4006
GI	none	Score	197
Exons	3608..3832, 3616..3786, 3833..4006		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o1.tw	Method	TBLASTX:Wheat
Start	3656	End	4411
GI	none	Score	865

Exons	3656..4411, 3664..4110, 3713..4132, 4163..4393, 4252..4401		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o1.ts	Method	TBLASTX:Soybean
Start	4331	End	4795
GI	5509260	Score	354
Exons	4331..4795, 4549..4644, 4717..4776		
GI Descrip.	-		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o1.tc	Method	TBLASTX:Cress
Start	4402	End	4684
GI	none	Score	273
Exons	4402..4596, 4427..4684		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o2.tm	Method	TBLASTX:Maize
Start	4465	End	4906
GI	none	Score	331
Exons	4465..4647, 4466..4906, 4601..4783, 4717..4827		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o4.tw	Method	TBLASTX:Wheat
Start	4466	End	5017
GI	none	Score	307
Exons	4466..4810, 4850..5017		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o2.ts	Method	TBLASTX:Soybean
Start	4861	End	5206
GI	none	Score	294
Exons	4861..5061, 4862..5206		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o5.tm	Method	TBLASTX:Maize
Start	5024	End	5356
GI	none	Score	290
Exons	5024..5356, 5024..5314		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o4.ts	Method	TBLASTX:Soybean
Start	5207	End	5799
GI	none	Score	93

Exons	5207..5305, 5386..5565, 5644..5799		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o2.tw	Method	TBLASTX:Wheat
Start	5212	End	5670
GI	none	Score	96
Exons	5212..5283, 5213..5287, 5301..5378, 5302..5379, 5303..5380, 5303..5380, 5371..5637, 5377..5670, 5568..5669		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o3.tw	Method	TBLASTX:Wheat
Start	9701	End	10472
GI	none	Score	34
Exons	9701..9805, 9713..9805, 9791..9874, 9806..9874, 9912..10001, 9915..10007, 9925..10029, 9985..10071, 10008..10067, 10073..10096, 10074..10115, 10077..10118, 10084..10119, 10098..10235, 10128..10235, 10129..10245, 10144..10242, 10287..10451, 10299..10472, 10324..10452		
Seq. No.	11355	Seq. ID	OJ990630_01.9A21.C23
Gene No.	24116	Strand	-
Start	10408	End	10751
Name	OJ990630_01.9A21.C23.o1.gp	Method	AAT/GAP
Start	10408	End	10751
GI	61605_3.R1084	Score	343
Exons	10408..10751		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	11356	Seq. ID	OJ990630_01.9A21.C24
Gene No.	24117	Strand	+
Start	1	End	1224
Name	OJ990630_01.9A21.C24.o1.np	Method	AAT/NAP
Start	1	End	1224
GI	5852180	Score	230
Exons	1..29, 847..1224		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	11356	Seq. ID	OJ990630_01.9A21.C24
Gene No.	24118	Strand	-
Start	843	End	1245
Name	OJ990630_01.9A21.C24.o1.gp	Method	AAT/GAP
Start	452	End	1188
GI	101153_1.R1084	Score	654
Exons	452..682, 1005..1188		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	11356	Seq. ID	OJ990630_01.9A21.C24
Gene No.	24118	Strand	-
Start	843	End	1245
Name	OJ990630_01.9A21.C24.o1.gs	Method	GENSCAN
Start	843	End	1245

GI	none	Score	.78
Exons	843..944, 1005..1142, 1148..1245		

Seq. No.	11357	Seq. ID	OJ990630_01.9A21.C25
Gene No.	24119	Strand	+
Start	2838	End	4608
Name	OJ990630_01.9A21.C25.o2.np	Method	AAT/NAP
Start	2838	End	4608
GI	5922620	Score	87
Exons	2838..2976, 4490..4608		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11357	Seq. ID	OJ990630_01.9A21.C25
Gene No.	24120	Strand	-
Start	1	End	7611
Name	OJ990630_01.9A21.C25.o1.np	Method	AAT/NAP
Start	1	End	3254
GI	4680203	Score	1832
Exons	1..150, 294..1946, 3218..3254		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11357	Seq. ID	OJ990630_01.9A21.C25
Gene No.	24120	Strand	-
Start	1	End	7611
Name	OJ990630_01.9A21.C25.o3.tw	Method	TBLASTX:Wheat
Start	53	End	468
GI	none	Score	62
Exons	53..193, 53..124, 119..298, 201..281, 291..344, 293..346, 295..348, 296..349, 311..466, 322..468, 323..466		

Seq. No.	11357	Seq. ID	OJ990630_01.9A21.C25
Gene No.	24120	Strand	-
Start	1	End	7611
Name	OJ990630_01.9A21.C25.o1.gs	Method	GENSCAN
Start	331	End	7611
GI	none	Score	.55
Exons	331..543, 570..1489, 1526..1648, 1721..1952, 4486..4612, 5531..5661, 6257..6439, 7420..7611		

Seq. No.	11357	Seq. ID	OJ990630_01.9A21.C25
Gene No.	24120	Strand	-
Start	1	End	7611
Name	OJ990630_01.9A21.C25.o1.tw	Method	TBLASTX:Wheat
Start	562	End	1028
GI	none	Score	147
Exons	562..765, 597..788, 766..858, 768..866, 769..861, 870..974, 874..975, 972..1028, 976..1020		

Seq. No.	11357	Seq. ID	OJ990630_01.9A21.C25
Gene No.	24120	Strand	-
Start	1	End	7611
Name	OJ990630_01.9A21.C25.o1.tm	Method	TBLASTX:Maize
Start	603	End	981

GI	none	Score	100
Exons	603..719, 729..971, 730..981		

Seq. No.	11357	Seq. ID	OJ990630_01.9A21.C25
Gene No.	24120	Strand	-
Start	1	End	7611
Name	OJ990630_01.9A21.C25.o1.tc	Method	TBLASTX:Cress
Start	816	End	1179
GI	none	Score	53
Exons	816..1157, 835..963, 1012..1179		

Seq. No.	11357	Seq. ID	OJ990630_01.9A21.C25
Gene No.	24120	Strand	-
Start	1	End	7611
Name	OJ990630_01.9A21.C25.o1.ts	Method	TBLASTX:Soybean
Start	897	End	1325
GI	none	Score	98
Exons	897..1166, 910..1143, 1251..1325		

Seq. No.	11357	Seq. ID	OJ990630_01.9A21.C25
Gene No.	24120	Strand	-
Start	1	End	7611
Name	OJ990630_01.9A21.C25.o2.tw	Method	TBLASTX:Wheat
Start	1242	End	1598
GI	none	Score	140
Exons	1242..1499, 1243..1500, 1257..1508, 1506..1598		

Seq. No.	11357	Seq. ID	OJ990630_01.9A21.C25
Gene No.	24120	Strand	-
Start	1	End	7611
Name	OJ990630_01.9A21.C25.o3.np	Method	AAT/NAP
Start	4748	End	6092
GI	6630699	Score	92
Exons	4748..4831, 6073..6092		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11358	Seq. ID	OJ990630_01.9A21.C26
Gene No.	24121	Strand	+
Start	1	End	1992
Name	OJ990630_01.9A21.C26.o1.np	Method	AAT/NAP
Start	1	End	1992
GI	6063554	Score	144
Exons	1..45, 1139..1195, 1822..1992		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11358	Seq. ID	OJ990630_01.9A21.C26
Gene No.	24121	Strand	+
Start	1	End	1992
Name	OJ990630_01.9A21.C26.o2.gp	Method	AAT/GAP
Start	1377	End	1751
GI	2427387	Score	618
Exons	1377..1751		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	11358	Seq. ID	OJ990630_01.9A21.C26
Gene No.	24122	Strand	-
Start	128	End	1804
Name	OJ990630_01.9A21.C26.o1.gs	Method	GENSCAN
Start	128	End	1804
GI	none	Score	.52
Exons	128..288, 523..645, 1723..1804		

Seq. No.	11359	Seq. ID	OJ990630_01.9A21.C27
Gene No.	24123	Strand	+
Start	44	End	3277
Name	OJ990630_01.9A21.C27.o1.gs	Method	GENSCAN
Start	44	End	1628
GI	none	Score	.91
Exons	44..210, 1337..1439, 1540..1628		

Seq. No.	11359	Seq. ID	OJ990630_01.9A21.C27
Gene No.	24123	Strand	+
Start	44	End	3277
Name	OJ990630_01.9A21.C27.o1.gp	Method	AAT/GAP
Start	1337	End	2957
GI	3061021	Score	767
Exons	1337..1500, 2220..2409, 2890..2957		
GI Descrip.	2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]		

Seq. No.	11359	Seq. ID	OJ990630_01.9A21.C27
Gene No.	24123	Strand	+
Start	44	End	3277
Name	OJ990630_01.9A21.C27.o1.tc	Method	TBLASTX:Cress
Start	2259	End	3153
GI	none	Score	111
Exons	2259..2408, 2295..2402, 2299..2412, 2299..2412, 2300..2413, 2887..2955, 2889..2954, 3041..3145, 3043..3153, 3047..3151		

Seq. No.	11359	Seq. ID	OJ990630_01.9A21.C27
Gene No.	24123	Strand	+
Start	44	End	3277
Name	OJ990630_01.9A21.C27.o1.tm	Method	TBLASTX:Maize
Start	2261	End	3153
GI	none	Score	102
Exons	2261..2404, 2262..2405, 2278..2412, 2295..2405, 2887..2955, 2887..2955, 2889..2963, 3041..3151, 3043..3153, 3047..3151		

Seq. No.	11359	Seq. ID	OJ990630_01.9A21.C27
Gene No.	24123	Strand	+
Start	44	End	3277
Name	OJ990630_01.9A21.C27.o1.ts	Method	TBLASTX:Soybean
Start	2274	End	3153
GI	none	Score	91
Exons	2274..2408, 2287..2442, 2295..2459, 2296..2412, 2887..2955, 2889..2954, 2910..2969, 3041..3151, 3042..3125, 3043..3153, 3047..3151		

Seq. No.	11359	Seq. ID	OJ990630_01.9A21.C27
Gene No.	24123	Strand	+
Start	44	End	3277
Name	OJ990630_01.9A21.C27.o1.np	Method	AAT/NAP
Start	2299	End	3277
GI	2642159	Score	381
Exons	2299..2409, 2890..2952, 3044..3277		
GI Descrip.	(AC003000) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] gi|3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] gi|4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]		

Seq. No.	11359	Seq. ID	OJ990630_01.9A21.C27
Gene No.	24123	Strand	+
Start	44	End	3277
Name	OJ990630_01.9A21.C27.o2.gs	Method	GENSCAN
Start	2299	End	2952
GI	none	Score	.9
Exons	2299..2409, 2890..2952		

Seq. No.	11360	Seq. ID	OJ990510_05.9A14.C3
Gene No.	24124	Strand	+
Start	431	End	578
Name	OJ990510_05.9A14.C3.o1.gs	Method	GENSCAN
Start	431	End	578
GI	none	Score	.9
Exons	431..578		

Seq. No.	11361	Seq. ID	OJ990510_05.9A14.C4
Gene No.	24125	Strand	-
Start	86	End	660
Name	OJ990510_05.9A14.C4.o1.gs	Method	GENSCAN
Start	86	End	660
GI	none	Score	.51
Exons	86..318, 567..660		

Seq. No.	11362	Seq. ID	OJ990510_05.9A14.C8
Gene No.	24126	Strand	+
Start	557	End	663
Name	OJ990510_05.9A14.C8.o1.gs	Method	GENSCAN
Start	557	End	663
GI	none	Score	.67
Exons	557..663		

Seq. No.	11363	Seq. ID	OJ990510_05.9A14.C9
Gene No.	24127	Strand	+
Start	82	End	399
Name	OJ990510_05.9A14.C9.o1.gs	Method	GENSCAN
Start	82	End	399
GI	none	Score	.98
Exons	82..193, 342..399		

Seq. No.	11364	Seq. ID	OJ990510_05.9A14.C11
Gene No.	24128	Strand	+
Start	150	End	419
Name	OJ990510_05.9A14.C11.o1.gs	Method	GENSCAN

Start	150	End	419
GI	none	Score	.98
Exons	150..229, 307..419		

Seq. No.	11365	Seq. ID	OJ990510_05.9A14.C13
Gene No.	24129	Strand	-
Start	874	End	1680
Name	OJ990510_05.9A14.C13.o1.gs	Method	GENSCAN
Start	874	End	1585
GI	none	Score	.56
Exons	874..982, 1037..1124, 1328..1373, 1387..1486, 1560..1585		

Seq. No.	11365	Seq. ID	OJ990510_05.9A14.C13
Gene No.	24129	Strand	-
Start	874	End	1680
Name	OJ990510_05.9A14.C13.o1.np	Method	AAT/NAP
Start	1284	End	1680
GI	4680183	Score	130
Exons	1284..1408, 1630..1680		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	11366	Seq. ID	OJ990510_05.9A14.C14
Gene No.	24130	Strand	+
Start	193	End	907
Name	OJ990510_05.9A14.C14.o1.gs	Method	GENSCAN
Start	193	End	907
GI	none	Score	.89
Exons	193..444, 479..603, 694..907		

Seq. No.	11366	Seq. ID	OJ990510_05.9A14.C14
Gene No.	24131	Strand	-
Start	966	End	1328
Name	OJ990510_05.9A14.C14.o1.gp	Method	AAT/GAP
Start	966	End	1328
GI	5816516	Score	346
Exons	966..1119, 1163..1328		
GI Descrip.	6006895/gb|AAF00670.1|AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11366	Seq. ID	OJ990510_05.9A14.C14
Gene No.	24132	Strand	-
Start	4456	End	5391
Name	OJ990510_05.9A14.C14.o2.gs	Method	GENSCAN
Start	4456	End	5391
GI	none	Score	.81
Exons	4456..4469, 4739..4851, 4929..5391		

Seq. No.	11367	Seq. ID	OJ990510_05.9A14.C15
Gene No.	24133	Strand	+
Start	197	End	415
Name	OJ990510_05.9A14.C15.o1.gs	Method	GENSCAN
Start	197	End	415
GI	none	Score	.51
Exons	197..254, 373..415		

Seq. No.	11368	Seq. ID	OJ990510_05.9A14.C17
Gene No.	24134	Strand	+

Start	1	End	701
Name	OJ990510_05.9A14.C17.o1.np	Method	AAT/NAP
Start	1	End	701
GI	6721512	Score	70
Exons	1..23, 592..701		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	11368	Seq. ID	OJ990510_05.9A14.C17
Gene No.	24135	Strand	-
Start	2474	End	4035
Name	OJ990510_05.9A14.C17.o1.tm	Method	TBLASTX:Maize
Start	2454	End	2933
GI	none	Score	333
Exons	2454..2693, 2454..2690, 2471..2719, 2471..2692, 2847..2921, 2849..2920, 2850..2933, 2857..2928		

Seq. No.	11368	Seq. ID	OJ990510_05.9A14.C17
Gene No.	24135	Strand	-
Start	2474	End	4035
Name	OJ990510_05.9A14.C17.o1.tc	Method	TBLASTX:Cress
Start	2458	End	2933
GI	none	Score	245
Exons	2458..2652, 2471..2692, 2472..2687, 2845..2928, 2850..2933		

Seq. No.	11368	Seq. ID	OJ990510_05.9A14.C17
Gene No.	24135	Strand	-
Start	2474	End	4035
Name	OJ990510_05.9A14.C17.o1.ts	Method	TBLASTX:Soybean
Start	2467	End	2933
GI	none	Score	275
Exons	2467..2583, 2468..2692, 2472..2693, 2473..2700, 2570..2647, 2847..2933, 2851..2928		

Seq. No.	11368	Seq. ID	OJ990510_05.9A14.C17
Gene No.	24135	Strand	-
Start	2474	End	4035
Name	OJ990510_05.9A14.C17.o2.np	Method	AAT/NAP
Start	2474	End	4035
GI	5032159	Score	280
Exons	2474..2690, 2851..2937, 3986..4035		
GI Descrip.	transducin (beta)-like 1 gi|3021409|emb|CAA73319.1| (Y12781) transducin (beta) like 1 protein [Homo sapiens]		

Seq. No.	11369	Seq. ID	OJ990510_05.9A14.C18
Gene No.	24136	Strand	+
Start	1	End	4577
Name	OJ990510_05.9A14.C18.o1.np	Method	AAT/NAP
Start	1	End	4577
GI	6069646	Score	674
Exons	1..594, 3595..4577		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	11369	Seq. ID	OJ990510_05.9A14.C18

Gene No.	24137	Strand	-
Start	1103	End	11133
Name	OJ990510_05.9A14.C18.o3.tm	Method	TBLASTX:Maize
Start	176	End	766
GI	none	Score	45
Exons	176..259, 264..320, 265..369, 631..765	420..548, 547..600, 629..766,	

Seq. No.	11369	Seq. ID	OJ990510_05.9A14.C18
Gene No.	24137	Strand	-
Start	1103	End	11133
Name	OJ990510_05.9A14.C18.o1.gs	Method	GENSCAN
Start	1103	End	10315
GI	none	Score	.43
Exons	1103..1273, 1367..1575, 1590..1812, 1892..2106, 2481..2594, 2774..3249, 5543..5688, 6539..6660, 6774..6932, 7109..7172, 7322..7472, 7717..7794, 9878..9953, 10210..10315		

Seq. No.	11369	Seq. ID	OJ990510_05.9A14.C18
Gene No.	24137	Strand	-
Start	1103	End	11133
Name	OJ990510_05.9A14.C18.o2.np	Method	AAT/NAP
Start	2237	End	11133
GI	5032159	Score	498
Exons	2237..2276, 4830..4874, 5523..5617, 6539..6660, 6774..6932, 7109..7172, 7322..7472, 9048..9094, 9194..9269, 11102..11133		
GI Descrip.	transducin (beta)-like 1 gi|3021409|emb|CAA73319.1| (Y12781) transducin (beta) like 1 protein [Homo sapiens]		

Seq. No.	11369	Seq. ID	OJ990510_05.9A14.C18
Gene No.	24137	Strand	-
Start	1103	End	11133
Name	OJ990510_05.9A14.C18.o1.tm	Method	TBLASTX:Maize
Start	3965	End	4562
GI	none	Score	98
Exons	3965..4102, 4097..4147, 4105..4149, 4155..4238, 4255..4377, 4305..4562		

Seq. No.	11369	Seq. ID	OJ990510_05.9A14.C18
Gene No.	24137	Strand	-
Start	1103	End	11133
Name	OJ990510_05.9A14.C18.o1.tc	Method	TBLASTX:Cress
Start	5525	End	6921
GI	none	Score	93
Exons	5525..5620, 5526..5615, 6537..6668, 6539..6700, 6539..6670, 6772..6876, 6773..6877, 6811..6921		

Seq. No.	11369	Seq. ID	OJ990510_05.9A14.C18
Gene No.	24137	Strand	-
Start	1103	End	11133
Name	OJ990510_05.9A14.C18.o1.ts	Method	TBLASTX:Soybean
Start	5525	End	9277
GI	none	Score	109
Exons	5525..5617, 5576..5620, 6537..6668, 6539..6670, 6546..6659, 6771..6911, 6772..6948, 6773..6970, 6796..6906, 7090..7170, 7093..7173, 7104..7172, 7322..7468, 7322..7471, 9047..9094, 9048..9095, 9191..9238, 9191..9238, 9245..9277		

Seq. No.	11369	Seq. ID	OJ990510_05.9A14.C18
Gene No.	24137	Strand	-
Start	1103	End	11133
Name	OJ990510_05.9A14.C18.o2.tm	Method	TBLASTX:Maize
Start	5531	End	9095
GI	none	Score	174
Exons	5531..5611, 6775..6894, 7322..7480, 7322..7480, 9047..9094, 9048..9095		

Seq. No.	11370	Seq. ID	OJ990510_05.9A14.C19
Gene No.	24138	Strand	-
Start	1	End	2610
Name	OJ990510_05.9A14.C19.o2.np	Method	AAT/NAP
Start	1	End	2610
GI	5032159	Score	92
Exons	1..78, 1251..1399, 2557..2610		
GI Descrip.	transducin (beta)-like 1 gi|3021409|emb|CAA73319.1| (Y12781) transducin (beta) like 1 protein [Homo sapiens]		

Seq. No.	11370	Seq. ID	OJ990510_05.9A14.C19
Gene No.	24138	Strand	-
Start	1	End	2610
Name	OJ990510_05.9A14.C19.o1.gs	Method	GENSCAN
Start	840	End	2570
GI	none	Score	.8
Exons	840..1176, 1251..1396, 2486..2570		

Seq. No.	11370	Seq. ID	OJ990510_05.9A14.C19
Gene No.	24138	Strand	-
Start	1	End	2610
Name	OJ990510_05.9A14.C19.o1.tc	Method	TBLASTX:Cress
Start	1090	End	1399
GI	none	Score	105
Exons	1090..1185, 1257..1388, 1260..1397, 1264..1398, 1277..1399		

Seq. No.	11370	Seq. ID	OJ990510_05.9A14.C19
Gene No.	24138	Strand	-
Start	1	End	2610
Name	OJ990510_05.9A14.C19.o1.ts	Method	TBLASTX:Soybean
Start	1105	End	1398
GI	none	Score	115
Exons	1105..1173, 1260..1397, 1264..1398		

Seq. No.	11371	Seq. ID	OJ990510_05.9A14.C20
Gene No.	24139	Strand	-
Start	237	End	1844
Name	OJ990510_05.9A14.C20.o1.gs	Method	GENSCAN
Start	237	End	1703
GI	none	Score	.56
Exons	237..341, 1569..1703		

Seq. No.	11371	Seq. ID	OJ990510_05.9A14.C20
Gene No.	24139	Strand	-
Start	237	End	1844
Name	OJ990510_05.9A14.C20.o1.np	Method	AAT/NAP
Start	1064	End	1844

GI	4585985	Score	61
Exons	1064..1272, 1763..1844		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11372	Seq. ID	OJ990510_05.9A14.C21
Gene No.	24140	Strand	-
Start	205	End	387
Name	OJ990510_05.9A14.C21.o1.gs	Method	GENSCAN
Start	205	End	387
GI	none	Score	.51
Exons	205..387		

Seq. No.	11373	Seq. ID	OJ990510_05.9A14.C22
Gene No.	24141	Strand	-
Start	13	End	1101
Name	OJ990510_05.9A14.C22.o1.gs	Method	GENSCAN
Start	13	End	1101
GI	none	Score	.66
Exons	13..316, 506..913, 1001..1101		

Seq. No.	11374	Seq. ID	OJ990510_05.9A14.C23
Gene No.	24142	Strand	+
Start	179	End	544
Name	OJ990510_05.9A14.C23.o1.gs	Method	GENSCAN
Start	179	End	544
GI	none	Score	.62
Exons	179..285, 452..544		

Seq. No.	11374	Seq. ID	OJ990510_05.9A14.C23
Gene No.	24143	Strand	+
Start	863	End	2731
Name	OJ990510_05.9A14.C23.o2.np	Method	AAT/NAP
Start	863	End	2731
GI	5852175	Score	65
Exons	863..958, 1386..1542, 2577..2731		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	11374	Seq. ID	OJ990510_05.9A14.C23
Gene No.	24144	Strand	-
Start	1	End	2685
Name	OJ990510_05.9A14.C23.o1.np	Method	AAT/NAP
Start	1	End	2624
GI	5852179	Score	272
Exons	1..62, 1342..1519, 1577..1777, 2604..2624		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	11374	Seq. ID	OJ990510_05.9A14.C23
Gene No.	24144	Strand	-
Start	1	End	2685
Name	OJ990510_05.9A14.C23.o2.gs	Method	GENSCAN
Start	962	End	2685
GI	none	Score	.4
Exons	962..1184, 1327..1822, 2604..2685		

Seq. No.	11375	Seq. ID	OJ990510_05.9A14.C24
Gene No.	24145	Strand	+
Start	1314	End	4657

Name	OJ990510_05.9A14.C24.o1.gs	Method	GENSCAN
Start	1314	End	4657
GI	none	Score	.66
Exons	1314..1520, 2053..2162, 2576..2740, 3471..3763, 4068..4474, 4538..4657		

Seq. No.	11375	Seq. ID	OJ990510_05.9A14.C24
Gene No.	24146	Strand	-
Start	6854	End	8719
Name	OJ990510_05.9A14.C24.o1.tm	Method	TBLASTX:Maize
Start	6718	End	7602
GI	none	Score	68
Exons	6718..6834, 6980..7120, 7181..7375, 7182..7265, 7363..7602		

Seq. No.	11375	Seq. ID	OJ990510_05.9A14.C24
Gene No.	24146	Strand	-
Start	6854	End	8719
Name	OJ990510_05.9A14.C24.o2.gs	Method	GENSCAN
Start	6854	End	8719
GI	none	Score	.47
Exons	6854..7198, 7660..7950, 8590..8719		

Seq. No.	11375	Seq. ID	OJ990510_05.9A14.C24
Gene No.	24146	Strand	-
Start	6854	End	8719
Name	OJ990510_05.9A14.C24.o1.np	Method	AAT/NAP
Start	7235	End	7638
GI	2462640	Score	503
Exons	7235..7638		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	11375	Seq. ID	OJ990510_05.9A14.C24
Gene No.	24146	Strand	-
Start	6854	End	8719
Name	OJ990510_05.9A14.C24.o1.tw	Method	TBLASTX:Wheat
Start	8384	End	8629
GI	none	Score	92
Exons	8384..8629, 8385..8576		

Seq. No.	11376	Seq. ID	OJ990510_05.9A14.C25
Gene No.	24147	Strand	-
Start	486	End	1308
Name	OJ990510_05.9A14.C25.o1.gs	Method	GENSCAN
Start	486	End	1308
GI	none	Score	.82
Exons	486..589, 741..910, 1259..1308		

Seq. No.	11377	Seq. ID	OJ990510_05.9A14.C26
Gene No.	24148	Strand	-
Start	329	End	2921
Name	OJ990510_05.9A14.C26.o1.gs	Method	GENSCAN
Start	329	End	2921
GI	none	Score	.65
Exons	329..497, 992..1191, 2774..2921		

Seq. No.	11378	Seq. ID	OJ990510_05.9A14.C28
Gene No.	24149	Strand	+

Start	587	End	1040
Name	OJ990510_05.9A14.C28.o1.gs	Method	GENSCAN
Start	587	End	1040
GI	none	Score	.76
Exons	587..671, 743..872, 914..1040		

Seq. No.	11379	Seq. ID	OJ990510_05.9A14.C29
Gene No.	24150	Strand	+
Start	5026	End	5117
Name	OJ990510_05.9A14.C29.o3.np	Method	AAT/NAP
Start	5026	End	5117
GI	4680183	Score	129
Exons	5026..5117		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	11379	Seq. ID	OJ990510_05.9A14.C29
Gene No.	24151	Strand	-
Start	1	End	4995
Name	OJ990510_05.9A14.C29.o1.np	Method	AAT/NAP
Start	1	End	1562
GI	5295955	Score	101
Exons	1..82, 841..954, 1494..1562		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	11379	Seq. ID	OJ990510_05.9A14.C29
Gene No.	24151	Strand	-
Start	1	End	4995
Name	OJ990510_05.9A14.C29.o1.gs	Method	GENSCAN
Start	454	End	4995
GI	none	Score	.49
Exons	454..555, 900..1018, 1426..1562, 4905..4995		

Seq. No.	11379	Seq. ID	OJ990510_05.9A14.C29
Gene No.	24151	Strand	-
Start	1	End	4995
Name	OJ990510_05.9A14.C29.o2.np	Method	AAT/NAP
Start	2934	End	4995
GI	6721561	Score	135
Exons	2934..2958, 4367..4438, 4905..4995		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11379	Seq. ID	OJ990510_05.9A14.C29
Gene No.	24151	Strand	-
Start	1	End	4995
Name	OJ990510_05.9A14.C29.o1.gp	Method	AAT/GAP
Start	4289	End	4396
GI	uC-osflcyp088b12b1	Score	148
Exons	4289..4396		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11380	Seq. ID	OJ990510_05.9A14.C30

Gene No.	24152	Strand	+
Start	365	End	2492
Name	OJ990510_05.9A14.C30.o1.gs	Method	GENSCAN
Start	365	End	2492
GI	none	Score	.8
Exons	365..538, 880..1043, 1807..1867, 1873..2492		

Seq. No.	11380	Seq. ID	OJ990510_05.9A14.C30
Gene No.	24153	Strand	-
Start	250	End	357
Name	OJ990510_05.9A14.C30.o1.gp	Method	AAT/GAP
Start	250	End	357
GI	uC-osflcyp088b12b1	Score	158
Exons	250..357		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11380	Seq. ID	OJ990510_05.9A14.C30
Gene No.	24154	Strand	-
Start	1945	End	3207
Name	OJ990510_05.9A14.C30.o1.np	Method	AAT/NAP
Start	1945	End	3207
GI	6523547	Score	376
Exons	1945..3207		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	11380	Seq. ID	OJ990510_05.9A14.C30
Gene No.	24154	Strand	-
Start	1945	End	3207
Name	OJ990510_05.9A14.C30.o2.gs	Method	GENSCAN
Start	2872	End	3066
GI	none	Score	.99
Exons	2872..3066		

Seq. No.	11381	Seq. ID	OJ990510_05.9A14.C31
Gene No.	24155	Strand	+
Start	1653	End	1760
Name	OJ990510_05.9A14.C31.o1.gp	Method	AAT/GAP
Start	1653	End	1760
GI	uC-osflcyp088b12b1	Score	155
Exons	1653..1760		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11381	Seq. ID	OJ990510_05.9A14.C31
Gene No.	24156	Strand	-
Start	563	End	1334
Name	OJ990510_05.9A14.C31.o1.gs	Method	GENSCAN
Start	563	End	1334
GI	none	Score	.4
Exons	563..693, 1149..1334		

Seq. No.	11382	Seq. ID	OJ990510_05.9A14.C34
Gene No.	24157	Strand	+
Start	1	End	387
Name	OJ990510_05.9A14.C34.o1.np	Method	AAT/NAP

Start	1	End	387
GI	5032159	Score	229
Exons	1..55, 171..387		
GI Descrip.	transducin (beta)-like 1 gi|3021409|emb|CAA73319.1| (Y12781) transducin (beta) like 1 protein [Homo sapiens]		

Seq. No.	11382	Seq. ID	OJ990510_05.9A14.C34
Gene No.	24158	Strand	-
Start	286	End	592
Name	OJ990510_05.9A14.C34.o1.tm	Method	TBLASTX:Maize
Start	142	End	407
GI	none	Score	385
Exons	142..390, 168..407, 169..390, 171..407		

Seq. No.	11382	Seq. ID	OJ990510_05.9A14.C34
Gene No.	24158	Strand	-
Start	286	End	592
Name	OJ990510_05.9A14.C34.o1.ts	Method	TBLASTX:Soybean
Start	161	End	393
GI	none	Score	330
Exons	161..388, 168..389, 169..393		

Seq. No.	11382	Seq. ID	OJ990510_05.9A14.C34
Gene No.	24158	Strand	-
Start	286	End	592
Name	OJ990510_05.9A14.C34.o1.tc	Method	TBLASTX:Cress
Start	169	End	403
GI	none	Score	316
Exons	169..390, 174..389, 209..403		

Seq. No.	11382	Seq. ID	OJ990510_05.9A14.C34
Gene No.	24158	Strand	-
Start	286	End	592
Name	OJ990510_05.9A14.C34.o1.gs	Method	GENSCAN
Start	286	End	592
GI	none	Score	.43
Exons	286..455, 500..592		

Seq. No.	11383	Seq. ID	OJ990510_05.9A14.C36
Gene No.	24159	Strand	+
Start	254	End	448
Name	OJ990510_05.9A14.C36.o1.gs	Method	GENSCAN
Start	254	End	448
GI	none	Score	.95
Exons	254..448		

Seq. No.	11384	Seq. ID	OJ990510_05.9A14.C37
Gene No.	24160	Strand	-
Start	230	End	412
Name	OJ990510_05.9A14.C37.o1.gs	Method	GENSCAN
Start	230	End	412
GI	none	Score	.44
Exons	230..412		

Seq. No.	11385	Seq. ID	OJ990510_05.9A14.C38
Gene No.	24161	Strand	+
Start	1	End	733

Name	OJ990510_05.9A14.C38.o1.np	Method	AAT/NAP
Start	1	End	733
GI	6815052	Score	124
Exons	1..42, 393..491, 641..733		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	11386	Seq. ID	OJ990510_05.9A14.C42
Gene No.	24162	Strand	+
Start	97	End	348
Name	OJ990510_05.9A14.C42.o1.gs	Method	GENSCAN
Start	97	End	348
GI	none	Score	.62
Exons	97..348		

Seq. No.	11387	Seq. ID	OJ990510_05.9A14.C43
Gene No.	24163	Strand	-
Start	179	End	285
Name	OJ990510_05.9A14.C43.o1.gs	Method	GENSCAN
Start	179	End	285
GI	none	Score	.7
Exons	179..285		

Seq. No.	11388	Seq. ID	OJ990510_05.9A14.C45
Gene No.	24164	Strand	+
Start	925	End	1274
Name	OJ990510_05.9A14.C45.o2.np	Method	AAT/NAP
Start	925	End	1274
GI	4926870	Score	127
Exons	925..1274		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	11388	Seq. ID	OJ990510_05.9A14.C45
Gene No.	24165	Strand	-
Start	1	End	1274
Name	OJ990510_05.9A14.C45.o1.np	Method	AAT/NAP
Start	1	End	1274
GI	4973280	Score	93
Exons	1..46, 495..568, 649..702, 1161..1274		
GI Descrip.	(AF146345) Ebi [Drosophila melanogaster]		

Seq. No.	11388	Seq. ID	OJ990510_05.9A14.C45
Gene No.	24165	Strand	-
Start	1	End	1274
Name	OJ990510_05.9A14.C45.o1.gs	Method	GENSCAN
Start	495	End	1166
GI	none	Score	.65
Exons	495..568, 649..702, 1095..1166		

Seq. No.	11388	Seq. ID	OJ990510_05.9A14.C45
Gene No.	24165	Strand	-
Start	1	End	1274
Name	OJ990510_05.9A14.C45.o1.tm	Method	TBLASTX:Maize
Start	495	End	705
GI	none	Score	120
Exons	495..569, 497..571, 500..586, 647..703, 647..703, 648..704, 649..705, 649..705		

Seq. No.	11389	Seq. ID	OJ990510_05.9A14.C46
Gene No.	24166	Strand	+
Start	19	End	544
Name	OJ990510_05.9A14.C46.o1.gs	Method	GENSCAN
Start	19	End	544
GI	none	Score	.77
Exons	19..21, 326..544		

Seq. No.	11390	Seq. ID	OJ990510_05.9A14.C49
Gene No.	24167	Strand	-
Start	1	End	1289
Name	OJ990510_05.9A14.C49.o1.np	Method	AAT/NAP
Start	1	End	1288
GI	5922634	Score	113
Exons	1..108, 1129..1288		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	11390	Seq. ID	OJ990510_05.9A14.C49
Gene No.	24167	Strand	-
Start	1	End	1289
Name	OJ990510_05.9A14.C49.o1.gs	Method	GENSCAN
Start	448	End	1289
GI	none	Score	.78
Exons	448..526, 1225..1289		

Seq. No.	11391	Seq. ID	OJ990510_05.9A14.C50
Gene No.	24168	Strand	+
Start	133	End	529
Name	OJ990510_05.9A14.C50.o1.gs	Method	GENSCAN
Start	133	End	529
GI	none	Score	.62
Exons	133..169, 426..529		

Seq. No.	11392	Seq. ID	OJ990510_05.9A14.C51
Gene No.	24169	Strand	-
Start	1	End	989
Name	OJ990510_05.9A14.C51.o1.np	Method	AAT/NAP
Start	1	End	989
GI	6815109	Score	122
Exons	1..616, 646..989		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11393	Seq. ID	OJ990510_05.9A14.C52
Gene No.	24170	Strand	+
Start	26	End	595
Name	OJ990510_05.9A14.C52.o1.gs	Method	GENSCAN
Start	26	End	576
GI	none	Score	.46
Exons	26..576		

Seq. No.	11393	Seq. ID	OJ990510_05.9A14.C52
Gene No.	24170	Strand	+
Start	26	End	595
Name	OJ990510_05.9A14.C52.o1.tm	Method	TBLASTX:Maize

Start	242	End	595
GI	none	Score	185
Exons	242..595		

Seq. No.	11394	Seq. ID	OJ990510_05.9A14.C53
Gene No.	24171	Strand	-
Start	43	End	418
Name	OJ990510_05.9A14.C53.o1.gs	Method	GENSCAN
Start	43	End	418
GI	none	Score	.84
Exons	43..262, 306..418		

Seq. No.	11395	Seq. ID	OJ990510_05.9A14.C55
Gene No.	24172	Strand	+
Start	1	End	1254
Name	OJ990510_05.9A14.C55.o1.np	Method	AAT/NAP
Start	1	End	1254
GI	5852176	Score	740
Exons	1..417, 709..874, 972..1002, 1188..1254		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	11395	Seq. ID	OJ990510_05.9A14.C55
Gene No.	24172	Strand	+
Start	1	End	1254
Name	OJ990510_05.9A14.C55.o1.tm	Method	TBLASTX:Maize
Start	915	End	1091
GI	none	Score	197
Exons	915..1091, 921..953, 977..1078, 1062..1088		

Seq. No.	11396	Seq. ID	OJ990510_05.9A14.C56
Gene No.	24173	Strand	+
Start	1	End	2558
Name	OJ990510_05.9A14.C56.o1.np	Method	AAT/NAP
Start	1	End	2558
GI	5852176	Score	418
Exons	1..151, 249..273, 706..829, 2487..2558		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	11396	Seq. ID	OJ990510_05.9A14.C56
Gene No.	24174	Strand	+
Start	11593	End	11876
Name	OJ990510_05.9A14.C56.o1.gp	Method	AAT/GAP
Start	11593	End	11876
GI	uC-osflcyp169f03b1	Score	355
Exons	11593..11876		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 1.0e-17 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	11396	Seq. ID	OJ990510_05.9A14.C56
Gene No.	24175	Strand	+
Start	12552	End	16134
Name	OJ990510_05.9A14.C56.o2.np	Method	AAT/NAP
Start	12552	End	16134
GI	2129618	Score	222
Exons	12552..13073, 16092..16134		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi|806535|emb|CAA57397| (X81801) Athila ORF 1		

[Arabidopsis thaliana]

Seq. No.	11396	Seq. ID	OJ990510_05.9A14.C56
Gene No.	24176	Strand	+
Start	23444	End	25123
Name	OJ990510_05.9A14.C56.o3.gs	Method	GENSCAN
Start	23444	End	25123
GI	none	Score	.45
Exons	23444..23465, 23782..23820, 24478..24889, 24979..25123		

Seq. No.	11396	Seq. ID	OJ990510_05.9A14.C56
Gene No.	24177	Strand	-
Start	10386	End	21213
Name	OJ990510_05.9A14.C56.o2.gs	Method	GENSCAN
Start	10386	End	21213
GI	none	Score	.47
Exons	10386..10692, 12291..12448, 12463..12660, 12987..13115, 16025..16172, 16687..16845, 17415..17762, 17819..18104, 18251..18457, 18533..18697, 19811..19989, 20140..20258, 21115..21213		

Seq. No.	11396	Seq. ID	OJ990510_05.9A14.C56
Gene No.	24178	Strand	-
Start	24639	End	28472
Name	OJ990510_05.9A14.C56.o2.tm	Method	TBLASTX:Maize
Start	192	End	368
GI	none	Score	197
Exons	192..368, 198..230, 254..355, 339..365		

Seq. No.	11396	Seq. ID	OJ990510_05.9A14.C56
Gene No.	24178	Strand	-
Start	24639	End	28472
Name	OJ990510_05.9A14.C56.o1.tm	Method	TBLASTX:Maize
Start	904	End	17042
GI	none	Score	48
Exons	904..930, 912..986, 991..1086, 991..1074, 16519..16836, 16521..16835, 16583..16843, 16751..16852, 16845..16901, 16845..16901, 16849..16950, 16850..16906, 16889..17029, 16891..17010, 16905..17042, 16943..17041		

Seq. No.	11396	Seq. ID	OJ990510_05.9A14.C56
Gene No.	24178	Strand	-
Start	24639	End	28472
Name	OJ990510_05.9A14.C56.o1.tw	Method	TBLASTX:Wheat
Start	12638	End	12984
GI	none	Score	81
Exons	12638..12730, 12772..12984		

Seq. No.	11396	Seq. ID	OJ990510_05.9A14.C56
Gene No.	24178	Strand	-
Start	24639	End	28472
Name	OJ990510_05.9A14.C56.o3.np	Method	AAT/NAP
Start	24639	End	28472
GI	99899	Score	85
Exons	24639..25083, 28081..28472		
GI Descrip.	DNA-directed RNA polymerase (EC 2.7.7.6) largest chain (isoform C) - soybean (fragment) gi|18736|emb|CAA36736| (X52495)		

DNA-directed RNA polymerase [Glycine max]

Seq. No.	11397	Seq. ID	OJ990510_05.9A14.C57
Gene No.	24179	Strand	-
Start	307	End	404
Name	OJ990510_05.9A14.C57.o1.gs	Method	GENSCAN
Start	307	End	404
GI	none	Score	.95
Exons	307..404		

Seq. No.	11398	Seq. ID	OJ990510_05.9A14.C58
Gene No.	24180	Strand	-
Start	1	End	720
Name	OJ990510_05.9A14.C58.o1.np	Method	AAT/NAP
Start	1	End	720
GI	6815052	Score	102
Exons	1..60, 187..285, 636..720		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	11399	Seq. ID	OJ990510_05.9A14.C60
Gene No.	24181	Strand	+
Start	1	End	607
Name	OJ990510_05.9A14.C60.o1.np	Method	AAT/NAP
Start	1	End	607
GI	2119980	Score	943
Exons	1..607		
GI Descrip.	transposase (transposons) - Escherichia coli gi|43089|emb|CAA42760| (X60200) transposase [Escherichia coli] gi|303566|dbj|BAA03914| (D16449) transposase [Escherichia coli]		

Seq. No.	11399	Seq. ID	OJ990510_05.9A14.C60
Gene No.	24181	Strand	+
Start	1	End	607
Name	OJ990510_05.9A14.C60.o1.gs	Method	GENSCAN
Start	85	End	574
GI	none	Score	.46
Exons	85..364, 437..574		

Seq. No.	11400	Seq. ID	OJ990510_05.9A14.C62
Gene No.	24182	Strand	+
Start	148	End	631
Name	OJ990510_05.9A14.C62.o1.gs	Method	GENSCAN
Start	148	End	560
GI	none	Score	.6
Exons	148..560		

Seq. No.	11400	Seq. ID	OJ990510_05.9A14.C62
Gene No.	24182	Strand	+
Start	148	End	631
Name	OJ990510_05.9A14.C62.o1.np	Method	AAT/NAP
Start	192	End	631
GI	5852179	Score	240
Exons	192..412, 470..631		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	11401	Seq. ID	OJ990510_05.9A14.C63
Gene No.	24183	Strand	+

Start	190	End	675
Name	OJ990510_05.9A14.C63.o1.gs	Method	GENSCAN
Start	190	End	675
GI	none	Score	.97
Exons	190..675		

Seq. No.	11402	Seq. ID	OJ990510_05.9A14.C64
Gene No.	24184	Strand	+
Start	1	End	595
Name	OJ990510_05.9A14.C64.o1.np	Method	AAT/NAP
Start	1	End	595
GI	5032159	Score	96
Exons	1..102, 391..595		
GI Descrip.	transducin (beta)-like 1 gi|3021409|emb|CAA73319.1| (Y12781) transducin (beta) like 1 protein [Homo sapiens]		

Seq. No.	11402	Seq. ID	OJ990510_05.9A14.C64
Gene No.	24184	Strand	+
Start	1	End	595
Name	OJ990510_05.9A14.C64.o1.tc	Method	TBLASTX:Cress
Start	389	End	531
GI	none	Score	193
Exons	389..511, 390..524, 391..528, 400..531		

Seq. No.	11402	Seq. ID	OJ990510_05.9A14.C64
Gene No.	24184	Strand	+
Start	1	End	595
Name	OJ990510_05.9A14.C64.o1.tm	Method	TBLASTX:Maize
Start	390	End	497
GI	none	Score	176
Exons	390..497, 391..495		

Seq. No.	11402	Seq. ID	OJ990510_05.9A14.C64
Gene No.	24184	Strand	+
Start	1	End	595
Name	OJ990510_05.9A14.C64.o1.ts	Method	TBLASTX:Soybean
Start	390	End	528
GI	none	Score	188
Exons	390..524, 391..528		

Seq. No.	11403	Seq. ID	OJ990510_05.9A14.C68
Gene No.	24185	Strand	+
Start	242	End	301
Name	OJ990510_05.9A14.C68.o1.gs	Method	GENSCAN
Start	242	End	301
GI	none	Score	.79
Exons	242..301		

Seq. No.	11403	Seq. ID	OJ990510_05.9A14.C68
Gene No.	24186	Strand	+
Start	267	End	374
Name	OJ990510_05.9A14.C68.o1.gp	Method	AAT/GAP
Start	267	End	374
GI	uC-osflcyp088b12b1	Score	151
Exons	267..374		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	11404	Seq. ID	OJ990510_05.9A14.C71
Gene No.	24187	Strand	-
Start	1	End	743
Name	OJ990510_05.9A14.C71.o1.np	Method	AAT/NAP
Start	1	End	743
GI	5852176	Score	684
Exons	1..170, 250..560, 615..743		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	11404	Seq. ID	OJ990510_05.9A14.C71
Gene No.	24187	Strand	-
Start	1	End	743
Name	OJ990510_05.9A14.C71.o1.tw	Method	TBLASTX:Wheat
Start	545	End	742
GI	none	Score	88
Exons	545..742, 648..716		

Seq. No.	11404	Seq. ID	OJ990510_05.9A14.C71
Gene No.	24187	Strand	-
Start	1	End	743
Name	OJ990510_05.9A14.C71.o1.tc	Method	TBLASTX:Cress
Start	587	End	742
GI	none	Score	181
Exons	587..742		

Seq. No.	11404	Seq. ID	OJ990510_05.9A14.C71
Gene No.	24187	Strand	-
Start	1	End	743
Name	OJ990510_05.9A14.C71.o1.tm	Method	TBLASTX:Maize
Start	587	End	742
GI	none	Score	185
Exons	587..742		

Seq. No.	11405	Seq. ID	OJ990510_05.9A14.C72
Gene No.	24188	Strand	+
Start	546	End	1207
Name	OJ990510_05.9A14.C72.o1.gs	Method	GENSCAN
Start	546	End	1207
GI	none	Score	.65
Exons	546..627, 1089..1207		

Seq. No.	11405	Seq. ID	OJ990510_05.9A14.C72
Gene No.	24189	Strand	-
Start	358	End	1365
Name	OJ990510_05.9A14.C72.o1.np	Method	AAT/NAP
Start	358	End	1365
GI	6063554	Score	134
Exons	358..531, 1287..1365		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11406	Seq. ID	OJ990510_05.9A14.C73
Gene No.	24190	Strand	+
Start	118	End	1887
Name	OJ990510_05.9A14.C73.o1.gs	Method	GENSCAN

Start	118	End	1887
GI	none	Score	.7
Exons	118..244, 577..674, 788..1667, 1755..1887		

Seq. No.	11407	Seq. ID	OJ990510_05.9A14.C74
Gene No.	24191	Strand	+
Start	223	End	1720
Name	OJ990510_05.9A14.C74.o1.gs	Method	GENSCAN
Start	223	End	1720
GI	none	Score	.7
Exons	223..417, 445..657, 733..792, 861..974, 1056..1211, 1235..1720		

Seq. No.	11407	Seq. ID	OJ990510_05.9A14.C74
Gene No.	24192	Strand	+
Start	3674	End	4410
Name	OJ990510_05.9A14.C74.o2.np	Method	AAT/NAP
Start	3674	End	4410
GI	6815052	Score	389
Exons	3674..3826, 3908..3983, 4265..4410		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	11407	Seq. ID	OJ990510_05.9A14.C74
Gene No.	24192	Strand	+
Start	3674	End	4410
Name	OJ990510_05.9A14.C74.o3.gs	Method	GENSCAN
Start	3674	End	4343
GI	none	Score	.75
Exons	3674..3983, 4265..4343		

Seq. No.	11407	Seq. ID	OJ990510_05.9A14.C74
Gene No.	24193	Strand	-
Start	2151	End	4410
Name	OJ990510_05.9A14.C74.o2.gs	Method	GENSCAN
Start	2151	End	2840
GI	none	Score	.61
Exons	2151..2840		

Seq. No.	11407	Seq. ID	OJ990510_05.9A14.C74
Gene No.	24193	Strand	-
Start	2151	End	4410
Name	OJ990510_05.9A14.C74.o1.ts	Method	TBLASTX:Soybean
Start	2166	End	2411
GI	none	Score	45
Exons	2166..2411, 2170..2199, 2272..2409		

Seq. No.	11407	Seq. ID	OJ990510_05.9A14.C74
Gene No.	24193	Strand	-
Start	2151	End	4410
Name	OJ990510_05.9A14.C74.o1.np	Method	AAT/NAP
Start	2172	End	4410
GI	4544372	Score	557
Exons	2172..3372, 4304..4410		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	11407	Seq. ID	OJ990510_05.9A14.C74
Gene No.	24193	Strand	-

Start	2151	End	4410
Name	OJ990510_05.9A14.C74.o1.tw	Method	TBLASTX:Wheat
Start	2187	End	2594
GI	none	Score	106
Exons	2187..2594, 2221..2586		

Seq. No.	11407	Seq. ID	OJ990510_05.9A14.C74
Gene No.	24193	Strand	-
Start	2151	End	4410
Name	OJ990510_05.9A14.C74.o2.ts	Method	TBLASTX:Soybean
Start	2754	End	3152
GI	none	Score	74
Exons	2754..3152, 2932..3048		

Seq. No.	11407	Seq. ID	OJ990510_05.9A14.C74
Gene No.	24193	Strand	-
Start	2151	End	4410
Name	OJ990510_05.9A14.C74.o1.tm	Method	TBLASTX:Maize
Start	2775	End	3155
GI	none	Score	63
Exons	2775..2999, 2997..3155		

Seq. No.	11408	Seq. ID	OJ990510_05.9A14.C75
Gene No.	24194	Strand	+
Start	1	End	4279
Name	OJ990510_05.9A14.C75.o1.np	Method	AAT/NAP
Start	1	End	4279
GI	6815052	Score	1993
Exons	1..144, 226..301, 583..700, 999..1098, 1966..2058, 2841..2976, 3025..3722, 3804..3879, 4161..4279		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	11408	Seq. ID	OJ990510_05.9A14.C75
Gene No.	24195	Strand	-
Start	4112	End	4499
Name	OJ990510_05.9A14.C75.o1.tw	Method	TBLASTX:Wheat
Start	2292	End	2786
GI	none	Score	313
Exons	2292..2786, 2309..2686		

Seq. No.	11408	Seq. ID	OJ990510_05.9A14.C75
Gene No.	24195	Strand	-
Start	4112	End	4499
Name	OJ990510_05.9A14.C75.o2.gs	Method	GENSCAN
Start	4112	End	4499
GI	none	Score	.49
Exons	4112..4217, 4297..4499		

Seq. No.	11409	Seq. ID	OJ990510_05.9A14.C76
Gene No.	24196	Strand	-
Start	1	End	3389
Name	OJ990510_05.9A14.C76.o1.np	Method	AAT/NAP
Start	1	End	3389
GI	4206306	Score	824
Exons	1..1604, 3346..3389		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	11409	Seq. ID	OJ990510_05.9A14.C76
Gene No.	24196	Strand	-
Start	1	End	3389
Name	OJ990510_05.9A14.C76.o2.ts	Method	TBLASTX:Soybean
Start	1	End	328
GI	none	Score	79
Exons	1..141, 6..146, 191..328, 195..320		

Seq. No.	11409	Seq. ID	OJ990510_05.9A14.C76
Gene No.	24196	Strand	-
Start	1	End	3389
Name	OJ990510_05.9A14.C76.o3.tw	Method	TBLASTX:Wheat
Start	12	End	296
GI	none	Score	53
Exons	12..146, 76..147, 194..295, 195..296		

Seq. No.	11409	Seq. ID	OJ990510_05.9A14.C76
Gene No.	24196	Strand	-
Start	1	End	3389
Name	OJ990510_05.9A14.C76.o1.ts	Method	TBLASTX:Soybean
Start	479	End	949
GI	none	Score	82
Exons	479..667, 492..623, 668..949, 687..911		

Seq. No.	11409	Seq. ID	OJ990510_05.9A14.C76
Gene No.	24196	Strand	-
Start	1	End	3389
Name	OJ990510_05.9A14.C76.o2.tw	Method	TBLASTX:Wheat
Start	566	End	947
GI	none	Score	114
Exons	566..667, 629..946, 633..947		

Seq. No.	11409	Seq. ID	OJ990510_05.9A14.C76
Gene No.	24196	Strand	-
Start	1	End	3389
Name	OJ990510_05.9A14.C76.o1.tm	Method	TBLASTX:Maize
Start	635	End	1096
GI	none	Score	225
Exons	635..1096, 636..947, 791..1096		

Seq. No.	11409	Seq. ID	OJ990510_05.9A14.C76
Gene No.	24196	Strand	-
Start	1	End	3389
Name	OJ990510_05.9A14.C76.o1.tw	Method	TBLASTX:Wheat
Start	984	End	1369
GI	none	Score	288
Exons	984..1079, 986..1318, 1008..1310, 1216..1320, 1313..1369, 1323..1364		

Seq. No.	11409	Seq. ID	OJ990510_05.9A14.C76
Gene No.	24196	Strand	-
Start	1	End	3389
Name	OJ990510_05.9A14.C76.o2.tm	Method	TBLASTX:Maize
Start	1097	End	1315
GI	none	Score	207
Exons	1097..1315, 1098..1310		

Seq. No.	11409	Seq. ID	OJ990510_05.9A14.C76
Gene No.	24196	Strand	-
Start	1	End	3389
Name	OJ990510_05.9A14.C76.o3.ts	Method	TBLASTX:Soybean
Start	1776	End	2267
GI	none	Score	181
Exons	1776..2267		

Seq. No.	11410	Seq. ID	OJ990510_05.9A14.C77
Gene No.	24197	Strand	-
Start	197	End	1231
Name	OJ990510_05.9A14.C77.o1.gs	Method	GENSCAN
Start	197	End	1231
GI	none	Score	.7
Exons	197..363, 407..1231		

Seq. No.	11411	Seq. ID	OJ990510_05.9A14.C78
Gene No.	24198	Strand	+
Start	2130	End	2921
Name	OJ990510_05.9A14.C78.o1.np	Method	AAT/NAP
Start	2130	End	2921
GI	6175155	Score	131
Exons	2130..2622, 2747..2921		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	11411	Seq. ID	OJ990510_05.9A14.C78
Gene No.	24199	Strand	-
Start	593	End	3671
Name	OJ990510_05.9A14.C78.o1.gs	Method	GENSCAN
Start	593	End	3671
GI	none	Score	.71
Exons	593..626, 993..1208, 2129..2204, 2722..2973, 3547..3671		

Seq. No.	11412	Seq. ID	OJ990510_05.9A14.C82
Gene No.	24200	Strand	+
Start	260	End	680
Name	OJ990510_05.9A14.C82.o1.gs	Method	GENSCAN
Start	260	End	680
GI	none	Score	.85
Exons	260..318, 631..680		

Seq. No.	11413	Seq. ID	OJ990510_05.9A14.C83
Gene No.	24201	Strand	
Start	103	End	605
Name	OJ990510_05.9A14.C83.o1.tm	Method	TBLASTX:Maize
Start	103	End	605
GI	none	Score	194
Exons	103..420, 105..419, 167..427, 335..436, 429..485, 429..485, 433..534, 434..490, 473..598, 475..594, 489..605, 527..604		

Seq. No.	11414	Seq. ID	OJ990510_05.9A14.C86
Gene No.	24202	Strand	+
Start	80	End	216
Name	OJ990510_05.9A14.C86.o1.gs	Method	GENSCAN
Start	80	End	216
GI	none	Score	.87
Exons	80..216		

Seq. No.	11415	Seq. ID	OJ990520_04.9A15.C1
Gene No.	24203	Strand	-
Start	297	End	448
Name	OJ990520_04.9A15.C1.o1.np	Method	AAT/NAP
Start	297	End	448
GI	4914452	Score	92
Exons	297..448		
GI Descrip.	(AL050398) putative protein [Arabidopsis thaliana]		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24204	Strand	+
Start	1	End	12248
Name	OJ990520_04.9A15.C2.o1.np	Method	AAT/NAP
Start	1	End	2082
GI	5852093	Score	52
Exons	1..41, 227..335, 2060..2082		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24204	Strand	+
Start	1	End	12248
Name	OJ990520_04.9A15.C2.o1.gs	Method	GENSCAN
Start	624	End	12248
GI	none	Score	.66
Exons	624..705, 3472..3586, 4208..4315, 5042..5139, 5255..5313, 6287..6640, 6722..6810, 7271..7358, 7801..8109, 8572..8751, 8855..9094, 9240..9351, 9697..9809, 9931..10080, 10547..10702, 11059..11175, 11529..11609, 12108..12248		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24204	Strand	+
Start	1	End	12248
Name	OJ990520_04.9A15.C2.o2.np	Method	AAT/NAP
Start	4284	End	12245
GI	4914452	Score	2075
Exons	4284..4333, 5039..5139, 5490..5632, 6188..6640, 6725..6810, 7271..7358, 7428..7503, 7627..7676, 7801..8122, 8546..8751, 8855..9094, 9240..9351, 9700..9809, 9931..10056, 10547..10702, 11059..11175, 11529..11735, 12108..12245		
GI Descrip.	(AL050398) putative protein [Arabidopsis thaliana]		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24204	Strand	+
Start	1	End	12248
Name	OJ990520_04.9A15.C2.o1.gp	Method	AAT/GAP
Start	9726	End	10691
GI	3107449	Score	525
Exons	9726..9809, 9931..10080, 10547..10691		
GI Descrip.	2914703 1.0e-25 (AC003974) unknown protein [Arabidopsis thaliana]		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o5.tm	Method	TBLASTX:Maize
Start	5004	End	5602

GI	none	Score	144
Exons	5004..5138, 5021..5137, 5043..5138, 5044..5163, 5461..5601, 5489..5602		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o3.ts	Method	TBLASTX:Soybean
Start	5480	End	5620
GI	none	Score	201
Exons	5480..5620, 5488..5598, 5492..5599		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o4.tc	Method	TBLASTX:Cress
Start	5488	End	5617
GI	none	Score	196
Exons	5488..5598, 5489..5617, 5492..5617		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o3.tc	Method	TBLASTX:Cress
Start	9234	End	10675
GI	none	Score	73
Exons	9234..9302, 9702..9812, 9704..9811, 9928..10080, 9930..10073, 10549..10665, 10550..10675		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o1.tm	Method	TBLASTX:Maize
Start	9664	End	10080
GI	none	Score	177
Exons	9664..9810, 9678..9812, 9689..9811, 9866..10075, 9900..10079, 9928..10080, 9928..10080		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o1.ts	Method	TBLASTX:Soybean
Start	9973	End	12170
GI	none	Score	171
Exons	9973..10080, 9975..10079, 10528..10701, 10550..10702, 10553..10708, 11058..11162, 11059..11160, 11517..11753, 11522..11734, 12105..12170		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o4.tm	Method	TBLASTX:Maize
Start	10528	End	12262
GI	none	Score	71
Exons	10528..10704, 10552..10680, 10553..10705, 10553..10711, 11062..11166, 11076..11168, 11523..11750, 11525..11731, 12105..12149, 12130..12216, 12134..12193, 12197..12262,		

12219..12248

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o2.tc	Method	TBLASTX:Cress
Start	11086	End	12193
GI	none	Score	78
Exons	11086..11157, 11523..11753, 11525..11734, 12105..12173, 12107..12193		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o3.tm	Method	TBLASTX:Maize
Start	14511	End	15743
GI	none	Score	41
Exons	14511..14564, 14512..14547, 14541..14636, 14555..14635, 14722..14844, 14723..14872, 14735..14872, 14843..14920, 14870..14920, 15429..15551, 15434..15553, 15434..15550, 15621..15743, 15621..15743		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o3.np	Method	AAT/NAP
Start	14526	End	18157
GI	3024764	Score	769
Exons	14526..14636, 14735..14915, 15438..15556, 15618..15949, 16787..16886, 17100..17233, 17318..17381, 17494..17558, 18103..18157		
GI Descrip.	UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 5 (UBIQUITIN THIOLESTERASE 5) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 5) (DEUBIQUITINATING ENZYME 5) (ISOPEPTIDASE T) gi|3287373 (AC002397) ISOT [Mus musculus]		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o2.ts	Method	TBLASTX:Soybean
Start	14538	End	14872
GI	none	Score	77
Exons	14538..14618, 14723..14872, 14734..14847		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o1.tc	Method	TBLASTX:Cress
Start	14541	End	15496
GI	none	Score	124
Exons	14541..14636, 14567..14635, 14722..14847, 14723..14872, 14750..14878, 14879..14920, 15434..15496		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o2.gs	Method	GENSCAN

Start	14541	End	18157
GI	none	Score	.95
Exons	14541..14636, 14708..14915, 15438..15550, 15624..15960, 16810..16886, 17100..17233, 17481..17558, 18103..18157		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o2.gp	Method	AAT/GAP
Start	15641	End	17147
GI	65628_1.R1084	Score	854
Exons	15641..15960, 16792..16886, 17100..17147		
GI Descrip.	'3024764/sp|P56399|UBP1_MOUSE 1.0e-45 UBIQUITIN CARBOXYL-TERMINAL HYDROLASE T (UBIQUITIN THIOLESTERASE T) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE T) (DEUBIQUITINATING ENZYME T) (ISOPEPTIDASE T) >gi_3287373 (AC002397) ISOT [Mus musculus]'		

Seq. No.	11416	Seq. ID	OJ990520_04.9A15.C2
Gene No.	24205	Strand	+
Start	14541	End	18159
Name	OJ990520_04.9A15.C2.o2.tm	Method	TBLASTX:Maize
Start	16822	End	18159
GI	none	Score	104
Exons	16822..16884, 16827..16886, 16835..16906, 17097..17231, 17097..17231, 17150..17233, 17307..17375, 17316..17375, 17317..17376, 17317..17376, 17482..17559, 17482..17556, 18089..18157, 18094..18159		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24206	Strand	+
Start	1	End	5070
Name	OJ990520_04.9A15.C3.o1.np	Method	AAT/NAP
Start	1	End	3559
GI	4507855	Score	566
Exons	1..125, 200..261, 338..450, 998..1086, 2008..2092, 2169..2350, 2442..2593, 2804..2905, 3267..3309, 3375..3559		
GI Descrip.	Ubiquitin isopeptidase T gi|1008542 (U35116) ubiquitin isopeptidase T [Homo sapiens]		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24206	Strand	+
Start	1	End	5070
Name	OJ990520_04.9A15.C3.o1.gs	Method	GENSCAN
Start	163	End	5070
GI	none	Score	.92
Exons	163..257, 998..1086, 2008..2097, 2177..2350, 2469..2593, 2804..2930, 3384..3468, 3920..4009, 4887..5070		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24206	Strand	+
Start	1	End	5070
Name	OJ990520_04.9A15.C3.o1.gp	Method	AAT/GAP
Start	2562	End	3915
GI	26501_1.R1084	Score	1244
Exons	2562..2593, 2804..2930, 3384..3915		
GI Descrip.	'3024764/sp|P56399|UBP1_MOUSE 8.0e-16 UBIQUITIN		

CARBOXYL-TERMINAL HYDROLASE T (UBIQUITIN THIOLESTERASE T) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE T) (DEUBIQUITINATING ENZYME T) (ISOPEPTIDASE T) >gi_3287373 (AC002397) ISOT [Mus musculus]'

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24207	Strand	-
Start	5473	End	9146
Name	OJ990520_04.9A15.C3.o2.gs	Method	GENSCAN
Start	5473	End	9146
GI	none	Score	.52
Exons	5473..5521, 5609..5804, 6629..6696, 9067..9146		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24208	Strand	-
Start	12217	End	12855
Name	OJ990520_04.9A15.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	3558
GI	none	Score	192
Exons	1..141, 2..142, 2..142, 172..258, 194..271, 199..258, 321..449, 327..437, 329..457, 367..456, 989..1084, 990..1085, 2007..2099, 2008..2100, 2176..2358, 2179..2349, 2467..2592, 2468..2593, 2788..2931, 2798..2935, 2804..2929, 2806..2931, 3362..3544, 3377..3553, 3385..3558		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24208	Strand	-
Start	12217	End	12855
Name	OJ990520_04.9A15.C3.o1.tw	Method	TBLASTX:Wheat
Start	85	End	1070
GI	none	Score	66
Exons	85..123, 86..142, 172..258, 197..259, 199..258, 321..455, 327..452, 329..457, 994..1068, 996..1070, 999..1070		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24208	Strand	-
Start	12217	End	12855
Name	OJ990520_04.9A15.C3.o1.tc	Method	TBLASTX:Cress
Start	995	End	3553
GI	none	Score	127
Exons	995..1084, 996..1085, 2007..2078, 2043..2096, 2197..2349, 2208..2348, 2217..2351, 2219..2350, 2248..2361, 2249..2359, 3385..3546, 3386..3553		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24208	Strand	-
Start	12217	End	12855
Name	OJ990520_04.9A15.C3.o1.ts	Method	TBLASTX:Soybean
Start	996	End	2350
GI	none	Score	126
Exons	996..1085, 998..1084, 2007..2105, 2008..2091, 2043..2096, 2214..2348, 2215..2349, 2216..2350, 2216..2350		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24208	Strand	-
Start	12217	End	12855
Name	OJ990520_04.9A15.C3.o3.gs	Method	GENSCAN

Start	12217	End	12837
GI	none	Score	.99
Exons	12217..12837		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24208	Strand	-
Start	12217	End	12855
Name	OJ990520_04.9A15.C3.o2.np	Method	AAT/NAP
Start	12235	End	12855
GI	6691485	Score	421
Exons	12235..12855		
GI Descrip.	(AB032198) gibberellin 3beta-hydroxylase [Nicotiana tabacum]		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24208	Strand	-
Start	12217	End	12855
Name	OJ990520_04.9A15.C3.o2.ts	Method	TBLASTX:Soybean
Start	12289	End	12738
GI	none	Score	77
Exons	12289..12378, 12430..12534, 12431..12580, 12589..12738, 12590..12727		

Seq. No.	11417	Seq. ID	OJ990520_04.9A15.C3
Gene No.	24208	Strand	-
Start	12217	End	12855
Name	OJ990520_04.9A15.C3.o2.tc	Method	TBLASTX:Cress
Start	12316	End	12726
GI	none	Score	80
Exons	12316..12378, 12430..12534, 12431..12535, 12595..12726, 12596..12703		

Seq. No.	11418	Seq. ID	OJ990520_04.9A15.C6
Gene No.	24209	Strand	+
Start	242	End	563
Name	OJ990520_04.9A15.C6.o1.gp	Method	AAT/GAP
Start	242	End	563
GI	4715376	Score	590
Exons	242..563		
GI Descrip.	2618723 5.0e-15 (U49073) IAA17 [Arabidopsis thaliana] >gi_2921756 (AF040631) IAA17/AXR3 protein [Arabidopsis thaliana] >gi_4389514_gb_AAB70451_ (AC000104) Identical to Arabidopsis gb_AF040632 and gb_U49073 IAA17/AXR3 gene. ESTs gb_H36782 and gb_F14074 come from this gene. [Arabidopsis thaliana]		

Seq. No.	11418	Seq. ID	OJ990520_04.9A15.C6
Gene No.	24210	Strand	-
Start	664	End	1141
Name	OJ990520_04.9A15.C6.o1.gs	Method	GENSCAN
Start	664	End	1141
GI	none	Score	.84
Exons	664..753, 915..1043, 1079..1141		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24211	Strand	+
Start	1	End	2169
Name	OJ990520_04.9A15.C7.o1.np	Method	AAT/NAP
Start	1	End	2169

GI	2160694	Score	1209
Exons	1..944, 1796..2169		
GI Descrip.	(U73528) B' regulatory subunit of PP2A [Arabidopsis thaliana]		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24212	Strand	+
Start	12039	End	22237
Name	OJ990520_04.9A15.C7.o3.gs	Method	GENSCAN
Start	12039	End	22237
GI	none	Score	.52
Exons	12039..12097, 12665..12723, 12831..12897, 13753..13792, 13971..14018, 14521..14649, 15876..15935, 16178..16334, 16600..16752, 17132..17183, 17970..18078, 18375..18779, 20766..21053, 21828..22077, 22131..22237		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24212	Strand	+
Start	12039	End	22237
Name	OJ990520_04.9A15.C7.o5.gp	Method	AAT/GAP
Start	12303	End	12590
GI	3761679	Score	288
Exons	12303..12420, 12512..12590		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24212	Strand	+
Start	12039	End	22237
Name	OJ990520_04.9A15.C7.o2.np	Method	AAT/NAP
Start	13798	End	18785
GI	6751711	Score	1247
Exons	13798..13905, 14518..14649, 15876..15935, 16178..16334, 16600..16706, 16793..16851, 17970..18078, 18336..18785		
GI Descrip.	(AC018848) putative aspartate aminotransferase [Arabidopsis thaliana]		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24213	Strand	-
Start	3752	End	11533
Name	OJ990520_04.9A15.C7.o2.gs	Method	GENSCAN
Start	3752	End	11533
GI	none	Score	.44
Exons	3752..3944, 4319..4426, 5050..5162, 5271..5519, 5605..5827, 6598..6711, 6811..7318, 8116..8262, 8415..8690, 8770..8919, 9493..9739, 10393..10560, 11167..11292, 11366..11533		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24213	Strand	-
Start	3752	End	11533
Name	OJ990520_04.9A15.C7.o2.gp	Method	AAT/GAP
Start	4786	End	5166
GI	none	Score	713
Exons	4786..5166		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24213	Strand	-
Start	3752	End	11533

Name	OJ990520_04.9A15.C7.o3.gp	Method	AAT/GAP
Start	7887	End	8548
GI	none	Score	1057
Exons	7887..8318, 8419..8548		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24213	Strand	-
Start	3752	End	11533
Name	OJ990520_04.9A15.C7.o4.gp	Method	AAT/GAP
Start	9669	End	11448
GI	uC-osflm202099g04b1	Score	919
Exons	9669..9739, 10393..10560, 11167..11448		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o1.tm	Method	TBLASTX:Maize
Start	35	End	2086
GI	none	Score	181
Exons	35..292, 46..261, 275..568, 292..567, 567..950, 568..741, 575..820, 884..946, 1787..1990, 1793..2086		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o1.tc	Method	TBLASTX:Cress
Start	46	End	2089
GI	none	Score	142
Exons	46..243, 47..244, 265..567, 275..568, 392..568, 573..950, 575..691, 716..946, 1793..2089, 1793..1987, 1864..2010		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o3.ts	Method	TBLASTX:Soybean
Start	104	End	400
GI	none	Score	266
Exons	104..400, 106..246		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o1.ts	Method	TBLASTX:Soybean
Start	407	End	1837
GI	none	Score	228
Exons	407..568, 466..567, 573..950, 575..808, 588..812, 890..955, 1793..1837		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o1.tw	Method	TBLASTX:Wheat
Start	449	End	890
GI	none	Score	182
Exons	449..568, 484..567, 573..821, 575..814, 834..890		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o2.tw	Method	TBLASTX:Wheat
Start	1798	End	2074
GI	none	Score	239
Exons	1798..2001, 1799..2074		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o4.tm	Method	TBLASTX:Maize
Start	5364	End	5719
GI	none	Score	99
Exons	5364..5468, 5365..5496, 5365..5466, 5451..5519, 5460..5564, 5461..5520, 5605..5718, 5605..5718, 5606..5719		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o3.tm	Method	TBLASTX:Maize
Start	8406	End	8631
GI	none	Score	136
Exons	8406..8615, 8410..8631, 8492..8626		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o2.tm	Method	TBLASTX:Maize
Start	13676	End	18904
GI	none	Score	70
Exons	13676..13750, 13681..13764, 13682..13759, 13750..13827, 13819..13869, 13827..13868, 13947..14018, 13954..14019, 13969..14022, 14509..14652, 14509..14649, 14516..14653, 15859..15933, 15861..15935, 15875..15934, 16121..16333, 16177..16332, 16182..16337, 16544..16714, 16593..16706, 16781..16852, 16787..16849, 16791..16853, 16792..16854, 17963..18076, 17970..18077, 17970..18089, 17971..18081, 18333..18785, 18335..18811, 18336..18806, 18830..18904		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o2.ts	Method	TBLASTX:Soybean
Start	13819	End	18779
GI	none	Score	57
Exons	13819..13869, 13968..14018, 14509..14652, 14509..14649, 15861..15935, 16150..16299, 16175..16330, 16177..16329, 16593..16706, 16593..16694, 16595..16711, 16595..16696, 16777..16860, 16781..16852, 17964..18068, 17969..18082, 17970..18089, 17971..18081, 18335..18634, 18336..18605, 18599..18775, 18600..18779		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147

Name	OJ990520_04.9A15.C7.o2.tc	Method	TBLASTX:Cress
Start	14509	End	18084
GI	none	Score	181
Exons	14509..14652, 15861..15935, 16142..16330, 16151..16330, 16206..16343, 16593..16706, 16595..16702, 16781..16852, 17970..18077, 17971..18081, 17971..18084		

Seq. No.	11419	Seq. ID	OJ990520_04.9A15.C7
Gene No.	24214	Strand	-
Start	18804	End	19147
Name	OJ990520_04.9A15.C7.o6.gp	Method	AAT/GAP
Start	18804	End	19147
GI	LIB3431-011-P1-N1-E2	Score	672
Exons	18804..19147		
GI Descrip.	'6006895/gb|AAF00670.1|AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11420	Seq. ID	OJ990520_04.9A15.C8
Gene No.	24215	Strand	-
Start	529	End	4056
Name	OJ990520_04.9A15.C8.o1.gs	Method	GENSCAN
Start	529	End	4056
GI	none	Score	.78
Exons	529..573, 847..936, 1540..1671, 1843..1943, 2676..2802, 3863..4056		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o1.np	Method	AAT/NAP
Start	1	End	9035
GI	3426037	Score	4336
Exons	1..78, 106..218, 760..880, 1088..1176, 1262..1346, 1670..1829, 1911..1987, 2074..2127, 2811..2901, 3033..3334, 3418..3699, 4402..4718, 4811..4971, 5075..5196, 5435..5576, 5665..5795, 5883..5963, 6051..6383, 6473..6763, 7103..7186, 7299..7432, 7511..7738, 7821..7992, 8093..8347, 9005..9035		
GI Descrip.	(AC005168) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o1.gs	Method	GENSCAN
Start	73	End	8347
GI	none	Score	.67
Exons	73..218, 760..880, 1088..1176, 1262..1346, 1670..1987, 2074..2127, 2811..2901, 3033..3334, 3418..3699, 4402..4718, 5404..5576, 5665..5784, 5869..5963, 6051..6383, 6473..6654, 7511..7738, 7821..7992, 8093..8347		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o4.ts	Method	TBLASTX:Soybean
Start	754	End	1342
GI	none	Score	195
Exons	754..879, 755..880, 1082..1177, 1097..1183, 1256..1342,		

1260..1292

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o5.tm	Method	TBLASTX:Maize
Start	2808	End	3196
GI	none	Score	144
Exons	2808..2903, 2810..2902, 3031..3192, 3032..3196		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o1.ts	Method	TBLASTX:Soybean
Start	3041	End	9034
GI	none	Score	56
Exons	3041..3136, 3155..3232, 4678..4719, 4808..4954, 4848..4970, 5080..5172, 5080..5157, 5088..5171, 5089..5178, 5429..5536, 5886..5960, 6029..6376, 6048..6386, 6048..6380, 6470..6763, 6493..6747, 6508..6765, 6509..6766, 7100..7186, 7102..7161, 7112..7186, 7272..7433, 7307..7405, 7509..7739, 7556..7729, 7581..7736, 7819..8007, 7833..7994, 8089..8343, 8090..8185, 8240..8344, 8996..9034		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o1.tc	Method	TBLASTX:Cress
Start	3065	End	8344
GI	none	Score	47
Exons	3065..3136, 3155..3232, 4378..4554, 5080..5157, 6620..6766, 6622..6768, 7100..7186, 7108..7185, 7296..7433, 7304..7405, 7509..7739, 7619..7738, 7816..7995, 7842..8006, 8090..8185, 8239..8343, 8240..8344		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o3.tm	Method	TBLASTX:Maize
Start	3197	End	3546
GI	none	Score	49
Exons	3197..3229, 3199..3228, 3224..3343, 3233..3334, 3235..3336, 3410..3535, 3415..3543, 3417..3479, 3418..3546		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o2.ts	Method	TBLASTX:Soybean
Start	3233	End	3711
GI	none	Score	141
Exons	3233..3337, 3233..3325, 3235..3336, 3415..3711, 3415..3588		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o3.tc	Method	TBLASTX:Cress
Start	3233	End	3543

GI	none	Score	138
Exons	3233..3343, 3235..3336, 3415..3543, 3415..3495		
Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o3.ts	Method	TBLASTX:Soybean
Start	4428	End	4674
GI	none	Score	199
Exons	4428..4622, 4429..4638, 4615..4674		
Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o2.tw	Method	TBLASTX:Wheat
Start	4548	End	5112
GI	none	Score	197
Exons	4548..4718, 4552..4719, 4552..4719, 4788..4937, 4803..4970, 4808..4969, 5080..5112, 5089..5112		
Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o1.tm	Method	TBLASTX:Maize
Start	5080	End	9034
GI	none	Score	70
Exons	5080..5157, 7088..7186, 7090..7188, 7090..7185, 7296..7442, 7296..7436, 7297..7452, 7496..7726, 7509..7739, 7511..7747, 7513..7740, 7818..7997, 7819..7995, 8091..8159, 8092..8346, 8093..8185, 8240..8347, 9002..9034		
Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o2.tm	Method	TBLASTX:Maize
Start	5754	End	6405
GI	none	Score	37
Exons	5754..5795, 5874..5960, 5874..5966, 6050..6385, 6051..6386, 6051..6392, 6052..6393, 6160..6405		
Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o2.tc	Method	TBLASTX:Cress
Start	5883	End	6619
GI	none	Score	91
Exons	5883..5960, 6051..6365, 6051..6182, 6065..6355, 6509..6619, 6517..6615		
Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o1.gp	Method	AAT/GAP
Start	6167	End	6629
GI	28016_1.R1084	Score	647
Exons	6167..6383, 6473..6629		
GI Descrip.	'3426037 2.0e-46 (AC005168) putative ABC transporter protein		

[Arabidopsis thaliana]'

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o4.tm	Method	TBLASTX:Maize
Start	6515	End	6715
GI	none	Score	288
Exons	6515..6715, 6517..6714		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o1.tw	Method	TBLASTX:Wheat
Start	6634	End	7733
GI	none	Score	199
Exons	6634..6762, 6635..6766, 7100..7186, 7296..7433, 7298..7405, 7509..7733		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o2.gp	Method	AAT/GAP
Start	7383	End	7990
GI	uC-osflcyp101a04b1	Score	769
Exons	7383..7432, 7511..7738, 7821..7990		
GI Descrip.	'3426037 7.0e-37 (AC005168) putative ABC transporter protein [Arabidopsis thaliana]'		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o3.tw	Method	TBLASTX:Wheat
Start	7830	End	8170
GI	none	Score	200
Exons	7830..7994, 7834..7995, 8090..8170		

Seq. No.	11421	Seq. ID	OJ990520_04.9A15.C9
Gene No.	24216	Strand	+
Start	1	End	9035
Name	OJ990520_04.9A15.C9.o3.gp	Method	AAT/GAP
Start	8185	End	9035
GI	LIB3477-002-P1-K1-G8	Score	364
Exons	8185..8347, 9005..9035		
GI Descrip.	'3426037 5.0e-34 (AC005168) putative ABC transporter protein [Arabidopsis thaliana]'		

Seq. No.	11422	Seq. ID	OJ990520_04.9A15.C10
Gene No.	24217	Strand	+
Start	1	End	545
Name	OJ990520_04.9A15.C10.o1.np	Method	AAT/NAP
Start	1	End	286
GI	6539570	Score	74
Exons	1..62, 220..286		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11422	Seq. ID	OJ990520_04.9A15.C10

Gene No.	24217	Strand	+
Start	1	End	545
Name	OJ990520_04.9A15.C10.o1.gs	Method	GENSCAN
Start	123	End	545
GI	none	Score	.6
Exons	123..286, 374..545		

Seq. No.	11422	Seq. ID	OJ990520_04.9A15.C10
Gene No.	24218	Strand	-
Start	1025	End	1100
Name	OJ990520_04.9A15.C10.o2.gs	Method	GENSCAN
Start	1025	End	1100
GI	none	Score	.67
Exons	1025..1100		

Seq. No.	11423	Seq. ID	OJ990520_04.9A15.C11
Gene No.	24219	Strand	+
Start	220	End	485
Name	OJ990520_04.9A15.C11.o1.gs	Method	GENSCAN
Start	220	End	485
GI	none	Score	.49
Exons	220..267, 432..485		

Seq. No.	11423	Seq. ID	OJ990520_04.9A15.C11
Gene No.	24220	Strand	-
Start	400	End	551
Name	OJ990520_04.9A15.C11.o1.np	Method	AAT/NAP
Start	400	End	551
GI	3024764	Score	64
Exons	400..551		
GI Descrip.	UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 5 (UBIQUITIN THIOLESTERASE 5) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 5) (DEUBIQUITINATING ENZYME 5) (ISOPEPTIDASE T) gi|3287373 (AC002397) ISOT [Mus musculus]		

Seq. No.	11424	Seq. ID	OJ990520_04.9A15.C12
Gene No.	24221	Strand	+
Start	1	End	1366
Name	OJ990520_04.9A15.C12.o1.np	Method	AAT/NAP
Start	1	End	1366
GI	4507849	Score	191
Exons	1..71, 567..644, 774..1020, 1170..1366		
GI Descrip.	ubiquitin specific protease 13 (isopeptidase T-3) gi|2501459|sp|Q92995|UBPD_HUMAN UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 13 (UBIQUITIN THIOLESTERASE 13) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 13) (DEUBIQUITINATING ENZYME 13) (ISOPEPTIDASE T-3) (ISOT-3) gi|1658463 (U75362) isopeptidase T-3 [Homo sapiens]		

Seq. No.	11424	Seq. ID	OJ990520_04.9A15.C12
Gene No.	24221	Strand	+
Start	1	End	1366
Name	OJ990520_04.9A15.C12.o1.tm	Method	TBLASTX:Maize
Start	563	End	1304
GI	none	Score	113
Exons	563..652, 564..644, 771..989, 773..988, 1019..1105, 1041..1118, 1046..1105, 1168..1296, 1174..1284, 1176..1304, 1214..1303		

Seq. No.	11424	Seq. ID	OJ990520_04.9A15.C12
Gene No.	24221	Strand	+
Start	1	End	1366
Name	OJ990520_04.9A15.C12.o1.gs	Method	GENSCAN
Start	564	End	1104
GI	none	Score	.89
Exons	564..644, 774..972, 1014..1104		

Seq. No.	11424	Seq. ID	OJ990520_04.9A15.C12
Gene No.	24221	Strand	+
Start	1	End	1366
Name	OJ990520_04.9A15.C12.o1.ts	Method	TBLASTX:Soybean
Start	566	End	1280
GI	none	Score	107
Exons	566..652, 567..644, 771..989, 1185..1280	773..976, 859..993, 1013..1105,	

Seq. No.	11424	Seq. ID	OJ990520_04.9A15.C12
Gene No.	24221	Strand	+
Start	1	End	1366
Name	OJ990520_04.9A15.C12.o1.tw	Method	TBLASTX:Wheat
Start	932	End	1304
GI	none	Score	66
Exons	932..970, 933..989, 1019..1105, 1174..1299, 1176..1304	1044..1106, 1046..1105,	

Seq. No.	11425	Seq. ID	OJ990520_04.9A15.C13
Gene No.	24222	Strand	+
Start	1011	End	2198
Name	OJ990520_04.9A15.C13.o1.gs	Method	GENSCAN
Start	1011	End	2198
GI	none	Score	.51
Exons	1011..1112, 1639..1733, 1886..2198		

Seq. No.	11425	Seq. ID	OJ990520_04.9A15.C13
Gene No.	24223	Strand	+
Start	11539	End	13517
Name	OJ990520_04.9A15.C13.o4.gs	Method	GENSCAN
Start	11539	End	13517
GI	none	Score	.49
Exons	11539..11617, 12867..12973, 13257..13517		

Seq. No.	11425	Seq. ID	OJ990520_04.9A15.C13
Gene No.	24224	Strand	-
Start	9008	End	9349
Name	OJ990520_04.9A15.C13.o3.gs	Method	GENSCAN
Start	9008	End	9349
GI	none	Score	.89
Exons	9008..9161, 9279..9349		

Seq. No.	11425	Seq. ID	OJ990520_04.9A15.C13
Gene No.	24225	Strand	-
Start	15461	End	15593
Name	OJ990520_04.9A15.C13.o5.gs	Method	GENSCAN
Start	15461	End	15593
GI	none	Score	.47

Exons	15461..15593		
Seq. No.	11426	Seq. ID	OJ990520_04.9A15.C14
Gene No.	24226	Strand	+
Start	348	End	541
Name	OJ990520_04.9A15.C14.o1.gs	Method	GENSCAN
Start	348	End	541
GI	none	Score	.97
Exons	348..393, 399..541		
Seq. No.	11426	Seq. ID	OJ990520_04.9A15.C14
Gene No.	24227	Strand	-
Start	124	End	541
Name	OJ990520_04.9A15.C14.o1.np	Method	AAT/NAP
Start	124	End	541
GI	6539570	Score	227
Exons	124..190, 348..541		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	11426	Seq. ID	OJ990520_04.9A15.C14
Gene No.	24228	Strand	-
Start	1048	End	2584
Name	OJ990520_04.9A15.C14.o2.np	Method	AAT/NAP
Start	678	End	1353
GI	6630699	Score	87
Exons	678..775, 1117..1353		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	11426	Seq. ID	OJ990520_04.9A15.C14
Gene No.	24228	Strand	-
Start	1048	End	2584
Name	OJ990520_04.9A15.C14.o2.gs	Method	GENSCAN
Start	1048	End	2584
GI	none	Score	.76
Exons	1048..1344, 2405..2584		
Seq. No.	11427	Seq. ID	OJ990520_04.9A15.C15
Gene No.	24229	Strand	-
Start	275	End	4466
Name	OJ990520_04.9A15.C15.o1.gs	Method	GENSCAN
Start	275	End	4323
GI	none	Score	.41
Exons	275..394, 1514..2228, 2581..3091, 3408..4323		
Seq. No.	11427	Seq. ID	OJ990520_04.9A15.C15
Gene No.	24229	Strand	-
Start	275	End	4466
Name	OJ990520_04.9A15.C15.o1.np	Method	AAT/NAP
Start	503	End	4466
GI	4539357	Score	1507
Exons	503..3300, 3393..3699, 3803..3935, 4146..4466		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		
Seq. No.	11427	Seq. ID	OJ990520_04.9A15.C15
Gene No.	24229	Strand	-

Start	275	End	4466
Name	OJ990520_04.9A15.C15.o1.ts	Method	TBLASTX:Soybean
Start	632	End	1051
GI	none	Score	60
Exons	632..832, 702..833, 866..1051		

Seq. No.	11427	Seq. ID	OJ990520_04.9A15.C15
Gene No.	24229	Strand	-
Start	275	End	4466
Name	OJ990520_04.9A15.C15.o2.tw	Method	TBLASTX:Wheat
Start	657	End	1046
GI	none	Score	262
Exons	657..1046, 659..1045		

Seq. No.	11427	Seq. ID	OJ990520_04.9A15.C15
Gene No.	24229	Strand	-
Start	275	End	4466
Name	OJ990520_04.9A15.C15.o1.tm	Method	TBLASTX:Maize
Start	776	End	1768
GI	none	Score	68
Exons	776..802, 866..1102, 1166..1276, 1298..1579, 1326..1409, 1494..1577, 1613..1768		

Seq. No.	11427	Seq. ID	OJ990520_04.9A15.C15
Gene No.	24229	Strand	-
Start	275	End	4466
Name	OJ990520_04.9A15.C15.o3.ts	Method	TBLASTX:Soybean
Start	1292	End	1579
GI	none	Score	180
Exons	1292..1579		

Seq. No.	11427	Seq. ID	OJ990520_04.9A15.C15
Gene No.	24229	Strand	-
Start	275	End	4466
Name	OJ990520_04.9A15.C15.o1.tw	Method	TBLASTX:Wheat
Start	1343	End	1723
GI	none	Score	121
Exons	1343..1510, 1344..1517, 1505..1723, 1632..1709		

Seq. No.	11427	Seq. ID	OJ990520_04.9A15.C15
Gene No.	24229	Strand	-
Start	275	End	4466
Name	OJ990520_04.9A15.C15.o2.ts	Method	TBLASTX:Soybean
Start	1943	End	2317
GI	none	Score	87
Exons	1943..2239, 2225..2317		

Seq. No.	11428	Seq. ID	OJ990520_04.9A15.C16
Gene No.	24230	Strand	+
Start	4335	End	4499
Name	OJ990520_04.9A15.C16.o1.gp	Method	AAT/GAP
Start	4335	End	4499
GI	uC-osflcyp084c07a1	Score	220
Exons	4335..4499		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	11428	Seq. ID	OJ990520_04.9A15.C16
Gene No.	24231	Strand	-
Start	120	End	975
Name	OJ990520_04.9A15.C16.o1.gs	Method	GENSCAN
Start	120	End	975
GI	none	Score	.64
Exons	120..975		

Seq. No.	11428	Seq. ID	OJ990520_04.9A15.C16
Gene No.	24232	Strand	-
Start	2201	End	4302
Name	OJ990520_04.9A15.C16.o2.gs	Method	GENSCAN
Start	2201	End	4302
GI	none	Score	.55
Exons	2201..2399, 3713..3861, 3880..3997, 4160..4302		

Seq. No.	11429	Seq. ID	OJ990520_04.9A15.C19
Gene No.	24233	Strand	+
Start	478	End	552
Name	OJ990520_04.9A15.C19.o1.gp	Method	AAT/GAP
Start	478	End	552
GI	LIB3432-029-P1-K1-E3	Score	68
Exons	478..552		
GI Descrip.	'5803269/dbj|BAA83579.1| 1.0e-18 (AP000399) hypothetical protein [Oryza sativa]'		

Seq. No.	11429	Seq. ID	OJ990520_04.9A15.C19
Gene No.	24234	Strand	-
Start	450	End	549
Name	OJ990520_04.9A15.C19.o1.gs	Method	GENSCAN
Start	450	End	549
GI	none	Score	.71
Exons	450..549		

Seq. No.	11430	Seq. ID	OJ990520_04.9A15.C21
Gene No.	24235	Strand	-
Start	1	End	398
Name	OJ990520_04.9A15.C21.o1.np	Method	AAT/NAP
Start	1	End	398
GI	4914452	Score	228
Exons	1..171, 275..398		
GI Descrip.	(AL050398) putative protein [Arabidopsis thaliana]		

Seq. No.	11431	Seq. ID	OJ990510_03.9A14.C1
Gene No.	24236	Strand	-
Start	1	End	709
Name	OJ990510_03.9A14.C1.o1.np	Method	AAT/NAP
Start	1	End	709
GI	6539586	Score	860
Exons	1..709		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	11431	Seq. ID	OJ990510_03.9A14.C1
Gene No.	24236	Strand	-
Start	1	End	709
Name	OJ990510_03.9A14.C1.o1.gs	Method	GENSCAN
Start	70	End	686

GI	none	Score	.52
Exons	70..686		

Seq. No.	11432	Seq. ID	OJ990510_03.9A14.C2
Gene No.	24237	Strand	+
Start	481	End	840
Name	OJ990510_03.9A14.C2.o1.gp	Method	AAT/GAP
Start	481	End	689
GI	569440	Score	326
Exons	481..689		

Seq. No.	11432	Seq. ID	OJ990510_03.9A14.C2
Gene No.	24237	Strand	+
Start	481	End	840
Name	OJ990510_03.9A14.C2.o1.gs	Method	GENSCAN
Start	518	End	796
GI	none	Score	.64
Exons	518..796		

Seq. No.	11432	Seq. ID	OJ990510_03.9A14.C2
Gene No.	24237	Strand	+
Start	481	End	840
Name	OJ990510_03.9A14.C2.o1.np	Method	AAT/NAP
Start	542	End	840
GI	629800	Score	234
Exons	542..840		
GI Descrip.	pir7b protein - rice gi|498747|emb|CAA84024| (Z34270) Pir7b [Oryza sativa]		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24238	Strand	+
Start	1	End	314
Name	OJ990510_03.9A14.C3.o1.np	Method	AAT/NAP
Start	1	End	314
GI	3242730	Score	176
Exons	1..314		
GI Descrip.	(AC003040) putative acetone-cyanohydrin lyase [Arabidopsis thaliana]		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24238	Strand	+
Start	1	End	314
Name	OJ990510_03.9A14.C3.o1.gs	Method	GENSCAN
Start	159	End	311
GI	none	Score	.57
Exons	159..311		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24239	Strand	+
Start	4979	End	5989
Name	OJ990510_03.9A14.C3.o1.gp	Method	AAT/GAP
Start	4979	End	5334
GI	2801069	Score	506
Exons	4979..5334		
GI Descrip.	2498779/sp|Q43360|PI7B_ORYSA 5.0e-10 PIR7B PROTEIN >gi_629801_pir__S47087 pir7b protein - rice >gi_498745_emb_CAA84026_ (Z34271) Pir7b [Oryza sativa]		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24239	Strand	+
Start	4979	End	5989
Name	OJ990510_03.9A14.C3.o2.np	Method	AAT/NAP
Start	5094	End	5989
GI	3242731	Score	467
Exons	5094..5484, 5597..5989		
GI Descrip.	(AC003040) putative acetone-cyanohydrin lyase [Arabidopsis thaliana]		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24240	Strand	-
Start	765	End	1098
Name	OJ990510_03.9A14.C3.o2.gs	Method	GENSCAN
Start	765	End	1098
GI	none	Score	.45
Exons	765..992, 1039..1098		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24241	Strand	-
Start	5046	End	8395
Name	OJ990510_03.9A14.C3.o1.tm	Method	TBLASTX:Maize
Start	27	End	5872
GI	none	Score	141
Exons	27..191, 27..191, 5587..5724, 5588..5872, 5774..5872		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24241	Strand	-
Start	5046	End	8395
Name	OJ990510_03.9A14.C3.o2.tc	Method	TBLASTX:Cress
Start	27	End	5971
GI	none	Score	158
Exons	27..290, 5657..5971, 5662..5712, 5783..5950, 5788..5970		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24241	Strand	-
Start	5046	End	8395
Name	OJ990510_03.9A14.C3.o3.gs	Method	GENSCAN
Start	5046	End	8395
GI	none	Score	.67
Exons	5046..5438, 5527..5748, 5756..5826, 5861..5982, 6836..7131, 8005..8295, 8336..8395		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24241	Strand	-
Start	5046	End	8395
Name	OJ990510_03.9A14.C3.o2.tm	Method	TBLASTX:Maize
Start	5118	End	5468
GI	none	Score	76
Exons	5118..5183, 5289..5354, 5343..5468, 5344..5448		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24241	Strand	-
Start	5046	End	8395
Name	OJ990510_03.9A14.C3.o1.tc	Method	TBLASTX:Cress
Start	5121	End	5472

GI	none	Score	139
Exons	5121..5228, 5126..5200, 5289..5345, 5343..5471, 5344..5472		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24241	Strand	-
Start	5046	End	8395
Name	OJ990510_03.9A14.C3.o1.ts	Method	TBLASTX:Soybean
Start	5121	End	5704
GI	none	Score	125
Exons	5121..5228, 5123..5200, 5289..5354, 5344..5472, 5594..5704		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24241	Strand	-
Start	5046	End	8395
Name	OJ990510_03.9A14.C3.o1.tw	Method	TBLASTX:Wheat
Start	5136	End	5451
GI	none	Score	110
Exons	5136..5228, 5144..5200, 5286..5342, 5346..5450, 5347..5451		

Seq. No.	11433	Seq. ID	OJ990510_03.9A14.C3
Gene No.	24241	Strand	-
Start	5046	End	8395
Name	OJ990510_03.9A14.C3.o2.gp	Method	AAT/GAP
Start	5531	End	5585
GI	LIB3434-051-P1-K1-G8	Score	67
Exons	5531..5585		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o1.np	Method	AAT/NAP
Start	1866	End	6035
GI	4234852	Score	4442
Exons	1866..2026, 2069..6035		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o1.tm	Method	TBLASTX:Maize
Start	1958	End	2969
GI	none	Score	588
Exons	1958..2536, 1959..2567, 2577..2708, 2648..2689, 2813..2863, 2904..2969		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o4.tw	Method	TBLASTX:Wheat
Start	2889	End	3326
GI	none	Score	115
Exons	2889..3086, 3156..3326, 3188..3310		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+

Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o2.ts	Method	TBLASTX:Soybean
Start	3183	End	3569
GI	none	Score	344
Exons	3183..3569, 3194..3400		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o2.tw	Method	TBLASTX:Wheat
Start	3345	End	4007
GI	none	Score	252
Exons	3345..3584, 3359..3583, 3373..3591, 3624..3929, 3647..3907, 3908..3982, 3909..4007		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o4.tm	Method	TBLASTX:Maize
Start	3360	End	3818
GI	none	Score	128
Exons	3360..3584, 3633..3818, 3635..3796		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o2.tc	Method	TBLASTX:Cress
Start	3624	End	4004
GI	none	Score	123
Exons	3624..3824, 3837..4004		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o4.ts	Method	TBLASTX:Soybean
Start	3624	End	4010
GI	none	Score	186
Exons	3624..3833, 3626..3805, 3837..4010		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o1.ts	Method	TBLASTX:Soybean
Start	4521	End	4958
GI	5509260	Score	365
Exons	4521..4958, 4610..4882, 4925..4957		
GI Descrip.	-		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o1.tc	Method	TBLASTX:Cress
Start	4608	End	4868
GI	none	Score	249
Exons	4608..4868, 4610..4846		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4

Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o1.tw	Method	TBLASTX:Wheat
Start	4649	End	5429
GI	none	Score	364
Exons	4649..4996, 4650..4994, 4650..5003, 4979..5425, 4980..5429		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o3.tm	Method	TBLASTX:Maize
Start	4650	End	5093
GI	none	Score	275
Exons	4650..4958, 4667..4957, 4992..5093		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o2.tm	Method	TBLASTX:Maize
Start	5094	End	5525
GI	none	Score	81
Exons	5094..5255, 5229..5525, 5369..5524		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o3.ts	Method	TBLASTX:Soybean
Start	5415	End	5981
GI	none	Score	131
Exons	5415..5597, 5606..5707, 5610..5801, 5790..5981		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o5.tm	Method	TBLASTX:Maize
Start	5538	End	5996
GI	none	Score	55
Exons	5538..5597, 5580..5756, 5805..5996		

Seq. No.	11434	Seq. ID	OJ990510_03.9A14.C4
Gene No.	24242	Strand	+
Start	1866	End	6035
Name	OJ990510_03.9A14.C4.o3.tw	Method	TBLASTX:Wheat
Start	5581	End	5984
GI	none	Score	51
Exons	5581..5694, 5585..5818, 5589..5984		

Seq. No.	11435	Seq. ID	OJ990510_03.9A14.C5
Gene No.	24243	Strand	+
Start	460	End	1056
Name	OJ990510_03.9A14.C5.o1.gs	Method	GENSCAN
Start	460	End	1056
GI	none	Score	.46
Exons	460..608, 614..706, 985..1056		

Seq. No.	11436	Seq. ID	OJ990510_03.9A14.C6
Gene No.	24244	Strand	+

Start	66	End	4921
Name	OJ990510_03.9A14.C6.o1.gs	Method	GENSCAN
Start	66	End	4921
GI	none	Score	.62
Exons	66..513, 1788..2098, 3252..3419, 3503..3542, 3646..3757, 3830..3899, 4523..4921		

Seq. No.	11436	Seq. ID	OJ990510_03.9A14.C6
Gene No.	24245	Strand	+
Start	5700	End	6412
Name	OJ990510_03.9A14.C6.o1.gp	Method	AAT/GAP
Start	5700	End	6412
GI	4219_1.R1084	Score	1131
Exons	5700..6412		
GI Descrip.	'4490321/emb|CAB38705.1| 2.0e-09 (AJ011604) nitrate transporter [Arabidopsis thaliana]'		

Seq. No.	11436	Seq. ID	OJ990510_03.9A14.C6
Gene No.	24246	Strand	-
Start	5970	End	7182
Name	OJ990510_03.9A14.C6.o2.gs	Method	GENSCAN
Start	5970	End	7171
GI	none	Score	.98
Exons	5970..6630, 6696..7171		

Seq. No.	11436	Seq. ID	OJ990510_03.9A14.C6
Gene No.	24246	Strand	-
Start	5970	End	7182
Name	OJ990510_03.9A14.C6.o2.np	Method	AAT/NAP
Start	5979	End	7182
GI	4490321	Score	1130
Exons	5979..7182		
GI Descrip.	(AJ011604) nitrate transporter [Arabidopsis thaliana]		

Seq. No.	11436	Seq. ID	OJ990510_03.9A14.C6
Gene No.	24246	Strand	-
Start	5970	End	7182
Name	OJ990510_03.9A14.C6.o1.tc	Method	TBLASTX:Cress
Start	6048	End	7180
GI	none	Score	242
Exons	6048..6152, 6157..6366, 6237..6422, 6372..6566, 6460..6564, 6565..6615, 6601..6675, 6605..6676, 6675..6755, 6680..6763, 6881..6952, 6929..7180, 6933..7082		

Seq. No.	11436	Seq. ID	OJ990510_03.9A14.C6
Gene No.	24246	Strand	-
Start	5970	End	7182
Name	OJ990510_03.9A14.C6.o1.tm	Method	TBLASTX:Maize
Start	6048	End	6758
GI	none	Score	187
Exons	6048..6152, 6169..6369, 6220..6255, 6237..6377, 6384..6503, 6487..6567, 6489..6566, 6565..6675, 6566..6673, 6680..6757, 6681..6758		

Seq. No.	11436	Seq. ID	OJ990510_03.9A14.C6
Gene No.	24246	Strand	-
Start	5970	End	7182

Name	OJ990510_03.9A14.C6.o1.ts	Method	TBLASTX:Soybean
Start	6108	End	6863
GI	none	Score	228
Exons	6108..6152, 6166..6357, 6237..6356, 6246..6359, 6363..6566, 6460..6567, 6565..6597, 6566..6598, 6601..6675, 6605..6673, 6680..6763, 6681..6758, 6831..6863		

Seq. No.	11436	Seq. ID	OJ990510_03.9A14.C6
Gene No.	24246	Strand	-
Start	5970	End	7182
Name	OJ990510_03.9A14.C6.o2.gp	Method	AAT/GAP
Start	6340	End	6831
GI	LIB3431-054-P1-K1-F11	Score	912
Exons	6340..6831		
GI Descrip.	'2760834/gb|AAB95302.1| 2.0e-41 (AC003105) putative nitrate transporter [Arabidopsis thaliana]'		

Seq. No.	11436	Seq. ID	OJ990510_03.9A14.C6
Gene No.	24246	Strand	-
Start	5970	End	7182
Name	OJ990510_03.9A14.C6.o2.tm	Method	TBLASTX:Maize
Start	6929	End	7138
GI	none	Score	217
Exons	6929..7138		

Seq. No.	11436	Seq. ID	OJ990510_03.9A14.C6
Gene No.	24246	Strand	-
Start	5970	End	7182
Name	OJ990510_03.9A14.C6.o2.ts	Method	TBLASTX:Soybean
Start	6962	End	7138
GI	none	Score	78
Exons	6962..7138, 6975..7082		

Seq. No.	11437	Seq. ID	OJ990510_03.9A14.C7
Gene No.	24247	Strand	+
Start	624	End	1298
Name	OJ990510_03.9A14.C7.o1.gs	Method	GENSCAN
Start	624	End	1298
GI	none	Score	.91
Exons	624..695, 1275..1298		

Seq. No.	11437	Seq. ID	OJ990510_03.9A14.C7
Gene No.	24248	Strand	-
Start	200	End	288
Name	OJ990510_03.9A14.C7.o1.gp	Method	AAT/GAP
Start	200	End	288
GI	3761683	Score	145
Exons	200..288		
GI Descrip.	2760834/gb|AAB95302.1| 1.0e-12 (AC003105) putative nitrate transporter [Arabidopsis thaliana]		

Seq. No.	11437	Seq. ID	OJ990510_03.9A14.C7
Gene No.	24249	Strand	-
Start	4070	End	4510
Name	OJ990510_03.9A14.C7.o1.np	Method	AAT/NAP
Start	4070	End	4510
GI	1085679	Score	257

Exons	4070..4510		
GI Descrip.	calmodulin - Macrocystis pyrifera gi|728609|emb|CAA59418| (X85091) calmodulin [Macrocystis pyrifera]		
Seq. No.	11437	Seq. ID	OJ990510_03.9A14.C7
Gene No.	24250	Strand	-
Start	8323	End	12498
Name	OJ990510_03.9A14.C7.o1.tm	Method	TBLASTX:Maize
Start	4088	End	4450
GI	none	Score	35
Exons	4088..4129, 4091..4123, 4109..4168, 4115..4168, 4176..4223, 4177..4260, 4221..4286, 4222..4290, 4342..4449, 4343..4450, 4356..4421		
Seq. No.	11437	Seq. ID	OJ990510_03.9A14.C7
Gene No.	24250	Strand	-
Start	8323	End	12498
Name	OJ990510_03.9A14.C7.o1.ts	Method	TBLASTX:Soybean
Start	4088	End	4450
GI	none	Score	35
Exons	4088..4129, 4114..4170, 4115..4168, 4176..4223, 4221..4286, 4222..4290, 4342..4449, 4346..4450		
Seq. No.	11437	Seq. ID	OJ990510_03.9A14.C7
Gene No.	24250	Strand	-
Start	8323	End	12498
Name	OJ990510_03.9A14.C7.o1.tw	Method	TBLASTX:Wheat
Start	4088	End	4450
GI	none	Score	42
Exons	4088..4132, 4088..4129, 4115..4168, 4176..4223, 4177..4260, 4221..4286, 4222..4287, 4342..4449, 4343..4450		
Seq. No.	11437	Seq. ID	OJ990510_03.9A14.C7
Gene No.	24250	Strand	-
Start	8323	End	12498
Name	OJ990510_03.9A14.C7.o3.gs	Method	GENSCAN
Start	8323	End	12498
GI	none	Score	.56
Exons	8323..8393, 11401..11525, 12449..12498		
Seq. No.	11438	Seq. ID	OJ990510_03.9A14.C10
Gene No.	24251	Strand	-
Start	454	End	497
Name	OJ990510_03.9A14.C10.o1.gs	Method	GENSCAN
Start	454	End	497
GI	none	Score	.8
Exons	454..497		
Seq. No.	11439	Seq. ID	OJ990510_03.9A14.C12
Gene No.	24252	Strand	-
Start	1	End	636
Name	OJ990510_03.9A14.C12.o1.np	Method	AAT/NAP
Start	1	End	378
GI	4105186	Score	39
Exons	1..166, 269..378		
GI Descrip.	(AF044128) protoporphyrinogen oxidase PX-1 [Nicotiana tabacum]		

Seq. No.	11439	Seq. ID	OJ990510_03.9A14.C12
Gene No.	24252	Strand	-
Start	1	End	636
Name	OJ990510_03.9A14.C12.o1.gs	Method	GENSCAN
Start	24	End	636
GI	none	Score	.55
Exons	24..260, 269..464, 571..636		

Seq. No.	11440	Seq. ID	OJ990510_03.9A14.C13
Gene No.	24253	Strand	+
Start	194	End	324
Name	OJ990510_03.9A14.C13.o1.gs	Method	GENSCAN
Start	194	End	324
GI	none	Score	.51
Exons	194..324		

Seq. No.	11441	Seq. ID	OJ990510_03.9A14.C14
Gene No.	24254	Strand	-
Start	192	End	333
Name	OJ990510_03.9A14.C14.o1.gs	Method	GENSCAN
Start	192	End	333
GI	none	Score	.7
Exons	192..333		

Seq. No.	11442	Seq. ID	OJ990510_03.9A14.C16
Gene No.	24255	Strand	-
Start	1	End	900
Name	OJ990510_03.9A14.C16.o1.np	Method	AAT/NAP
Start	1	End	900
GI	6498441	Score	747
Exons	1..394, 586..900		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11442	Seq. ID	OJ990510_03.9A14.C16
Gene No.	24255	Strand	-
Start	1	End	900
Name	OJ990510_03.9A14.C16.o1.gs	Method	GENSCAN
Start	110	End	826
GI	none	Score	.67
Exons	110..432, 472..559, 736..826		

Seq. No.	11442	Seq. ID	OJ990510_03.9A14.C16
Gene No.	24255	Strand	-
Start	1	End	900
Name	OJ990510_03.9A14.C16.o1.tw	Method	TBLASTX:Wheat
Start	610	End	834
GI	none	Score	102
Exons	610..834, 611..826		

Seq. No.	11443	Seq. ID	OJ990510_03.9A14.C19
Gene No.	24256	Strand	+
Start	288	End	716
Name	OJ990510_03.9A14.C19.o1.gp	Method	AAT/GAP
Start	288	End	716
GI	LIB3479-006-Q6-K1-B11	Score	615

Exons	288..716		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	11443	Seq. ID	OJ990510_03.9A14.C19
Gene No.	24256	Strand	+
Start	288	End	716
Name	OJ990510_03.9A14.C19.o1.gs	Method	GENSCAN
Start	383	End	497
GI	none	Score	.75
Exons	383..497		
Seq. No.	11443	Seq. ID	OJ990510_03.9A14.C19
Gene No.	24257	Strand	-
Start	1	End	497
Name	OJ990510_03.9A14.C19.o1.np	Method	AAT/NAP
Start	1	End	497
GI	6539570	Score	199
Exons	1..111, 303..497		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	11443	Seq. ID	OJ990510_03.9A14.C19
Gene No.	24258	Strand	-
Start	633	End	707
Name	OJ990510_03.9A14.C19.o2.np	Method	AAT/NAP
Start	633	End	707
GI	6630699	Score	85
Exons	633..707		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	11444	Seq. ID	OJ990510_03.9A14.C21
Gene No.	24259	Strand	+
Start	7	End	103
Name	OJ990510_03.9A14.C21.o1.gs	Method	GENSCAN
Start	7	End	103
GI	none	Score	.97
Exons	7..103		
Seq. No.	11445	Seq. ID	OJ990510_03.9A14.C24
Gene No.	24260	Strand	-
Start	2531	End	4134
Name	OJ990510_03.9A14.C24.o1.np	Method	AAT/NAP
Start	2531	End	4134
GI	5091513	Score	311
Exons	2531..2881, 2934..3012, 3600..4134		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	11445	Seq. ID	OJ990510_03.9A14.C24
Gene No.	24260	Strand	-
Start	2531	End	4134
Name	OJ990510_03.9A14.C24.o3.gs	Method	GENSCAN
Start	3475	End	4057
GI	none	Score	.66
Exons	3475..3732, 3779..4057		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o1.np	Method	AAT/NAP
Start	1	End	4612
GI	5091513	Score	2285
Exons	1..675, 1331..2772, 4581..4612		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o1.gs	Method	GENSCAN
Start	31	End	2085
GI	none	Score	.91
Exons	31..102, 210..620, 1490..2085		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o2.gs	Method	GENSCAN
Start	2518	End	7180
GI	none	Score	.4
Exons	2518..2781, 3250..3495, 4674..6091, 6958..7180		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o2.np	Method	AAT/NAP
Start	3235	End	7303
GI	4585985	Score	2283
Exons	3235..4101, 4129..4583, 4818..6160, 6238..6717, 6949..7303		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o1.ts	Method	TBLASTX:Soybean
Start	3331	End	3513
GI	none	Score	85
Exons	3331..3513, 3332..3511, 3367..3513		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o5.tm	Method	TBLASTX:Maize
Start	3439	End	3757
GI	none	Score	51
Exons	3439..3513, 3440..3517, 3532..3756, 3539..3757		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o1.tc	Method	TBLASTX:Cress
Start	3505	End	3760
GI	none	Score	83
Exons	3505..3753, 3557..3760		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o2.tm	Method	TBLASTX:Maize
Start	3973	End	4433
GI	none	Score	41
Exons	3973..4032, 4065..4433, 4083..4304, 4141..4416		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o4.tm	Method	TBLASTX:Maize
Start	4578	End	5033
GI	none	Score	103
Exons	4578..4793, 4579..4719, 4824..4991, 4965..5033		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o3.tm	Method	TBLASTX:Maize
Start	6096	End	6491
GI	none	Score	51
Exons	6096..6161, 6102..6161, 6239..6361, 6240..6356, 6357..6491, 6362..6487, 6375..6491		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o1.tw	Method	TBLASTX:Wheat
Start	6258	End	6649
GI	none	Score	70
Exons	6258..6374, 6272..6349, 6348..6587, 6374..6649, 6383..6637		

Seq. No.	11446	Seq. ID	OJ990510_03.9A14.C25
Gene No.	24261	Strand	-
Start	1	End	7303
Name	OJ990510_03.9A14.C25.o1.tm	Method	TBLASTX:Maize
Start	6494	End	7300
GI	none	Score	59
Exons	6494..6763, 6788..7141, 6789..6875, 6942..7133, 7145..7234, 7244..7300		

Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24262	Strand	+
Start	89	End	1268
Name	OJ990510_03.9A14.C26.o1.gs	Method	GENSCAN
Start	89	End	1268
GI	none	Score	.92
Exons	89..386, 1090..1268		

Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24263	Strand	+
Start	7738	End	12940
Name	OJ990510_03.9A14.C26.o3.np	Method	AAT/NAP
Start	7738	End	12940
GI	5917666	Score	131

Exons	7738..7956, 8740..9318, 9964..10063, 10813..11097, 12901..12940		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		
Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o4.tm	Method	TBLASTX:Maize
Start	3352	End	3646
GI	none	Score	95
Exons	3352..3453, 3448..3645, 3464..3646		
Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o1.tw	Method	TBLASTX:Wheat
Start	3727	End	4092
GI	none	Score	120
Exons	3727..4092, 3841..4089		
Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o2.tm	Method	TBLASTX:Maize
Start	3817	End	4287
GI	none	Score	70
Exons	3817..3903, 3818..3898, 3916..4287, 3916..4287		
Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o2.tw	Method	TBLASTX:Wheat
Start	4186	End	9032
GI	none	Score	65
Exons	4186..4284, 4330..4368, 4375..4737, 4388..4528, 8982..9032		
Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o1.ts	Method	TBLASTX:Soybean
Start	4360	End	4887
GI	none	Score	56
Exons	4360..4545, 4534..4746, 4831..4887		
Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o1.tm	Method	TBLASTX:Maize
Start	4492	End	5457
GI	none	Score	106
Exons	4492..5001, 4832..4969, 4833..4970, 4980..5378, 5010..5297, 5014..5298, 5294..5434, 5296..5457		
Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o6.tw	Method	TBLASTX:Wheat
Start	4744	End	5090

GI	none	Score	57
Exons	4744..4824, 4816..4968, 5011..5088, 5016..5090		

Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o4.tw	Method	TBLASTX:Wheat
Start	5091	End	5409
GI	none	Score	136
Exons	5091..5156, 5094..5297, 5131..5295, 5131..5298, 5293..5409		

Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o5.tm	Method	TBLASTX:Maize
Start	5542	End	5719
GI	none	Score	119
Exons	5542..5715, 5549..5719		

Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o3.gs	Method	GENSCAN
Start	5712	End	10795
GI	none	Score	.55
Exons	5712..6805, 7040..7372, 7413..7640, 7804..8409, 8524..8706, 8782..9721, 9798..9924, 9929..10121, 10765..10795		

Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o3.tw	Method	TBLASTX:Wheat
Start	5733	End	10957
GI	none	Score	106
Exons	5733..6044, 5733..6068, 5743..6144, 10898..10957		

Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o5.tw	Method	TBLASTX:Wheat
Start	6366	End	6720
GI	none	Score	53
Exons	6366..6590, 6370..6447, 6499..6591, 6570..6716, 6589..6720		

Seq. No.	11447	Seq. ID	OJ990510_03.9A14.C26
Gene No.	24264	Strand	-
Start	5712	End	10957
Name	OJ990510_03.9A14.C26.o3.tm	Method	TBLASTX:Maize
Start	7904	End	8227
GI	none	Score	165
Exons	7904..8119, 7920..8120, 8195..8227		

Seq. No.	11448	Seq. ID	OJ990510_03.9A14.C27
Gene No.	24265	Strand	-
Start	494	End	1333
Name	OJ990510_03.9A14.C27.o1.gs	Method	GENSCAN
Start	494	End	1333

GI	none	Score	.73
Exons	494..1124, 1182..1333		

Seq. No.	11448	Seq. ID	OJ990510_03.9A14.C27
Gene No.	24266	Strand	-
Start	1523	End	1659
Name	OJ990510_03.9A14.C27.o1.np	Method	AAT/NAP
Start	1523	End	1659
GI	5852093	Score	38
Exons	1523..1659		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	11449	Seq. ID	OJ990510_03.9A14.C28
Gene No.	24267	Strand	+
Start	368	End	5587
Name	OJ990510_03.9A14.C28.o1.gp	Method	AAT/GAP
Start	368	End	2640
GI	10446_1.R1084	Score	953
Exons	368..822, 2561..2640		
GI Descrip.	'3335365 9.0e-21 (AC003028) high affinity calcium antiporter [Arabidopsis thaliana]'		

Seq. No.	11449	Seq. ID	OJ990510_03.9A14.C28
Gene No.	24267	Strand	+
Start	368	End	5587
Name	OJ990510_03.9A14.C28.o1.np	Method	AAT/NAP
Start	383	End	4528
GI	3063392	Score	1123
Exons	383..412, 583..822, 2561..2628, 2731..2759, 3200..3870, 3985..4038, 4133..4249, 4391..4528		
GI Descrip.	(AB012932) Ca2+/H+ exchanger [Vigna radiata]		

Seq. No.	11449	Seq. ID	OJ990510_03.9A14.C28
Gene No.	24267	Strand	+
Start	368	End	5587
Name	OJ990510_03.9A14.C28.o1.gs	Method	GENSCAN
Start	565	End	4629
GI	none	Score	.44
Exons	565..822, 2561..2628, 2731..2759, 3200..3870, 3985..4038, 4133..4249, 4391..4481, 4562..4629		

Seq. No.	11449	Seq. ID	OJ990510_03.9A14.C28
Gene No.	24267	Strand	+
Start	368	End	5587
Name	OJ990510_03.9A14.C28.o1.tm	Method	TBLASTX:Maize
Start	628	End	4637
GI	none	Score	57
Exons	628..684, 664..825, 687..824, 2558..2629, 2560..2649, 2560..2628, 2732..2758, 3174..3293, 3181..3291, 3201..3293, 3366..3530, 3367..3492, 3477..3875, 3525..3557, 3550..3876, 3984..4040, 3985..4041, 4126..4245, 4133..4249, 4133..4249, 4367..4480, 4388..4483, 4389..4544, 4390..4482, 4567..4632, 4572..4637		

Seq. No.	11449	Seq. ID	OJ990510_03.9A14.C28
Gene No.	24267	Strand	+
Start	368	End	5587

Name	OJ990510_03.9A14.C28.o2.tc	Method	TBLASTX:Cress
Start	630	End	3237
GI	none	Score	193
Exons	630..800, 631..816, 2534..2629, 2569..2646, 3184..3237		

Seq. No.	11449	Seq. ID	OJ990510_03.9A14.C28
Gene No.	24267	Strand	+
Start	368	End	5587
Name	OJ990510_03.9A14.C28.o1.ts	Method	TBLASTX:Soybean
Start	631	End	4497
GI	none	Score	198
Exons	631..816, 636..815, 2564..2629, 3184..3291, 3198..3293, 3367..3483, 3550..3876, 3690..3875, 3984..4040, 3985..4041, 4126..4251, 4133..4249, 4338..4484, 4367..4477, 4372..4497		

Seq. No.	11449	Seq. ID	OJ990510_03.9A14.C28
Gene No.	24267	Strand	+
Start	368	End	5587
Name	OJ990510_03.9A14.C28.o1.tc	Method	TBLASTX:Cress
Start	3367	End	4477
GI	none	Score	84
Exons	3367..3474, 3519..3620, 3550..3624, 3655..3876, 3690..3875, 3984..4040, 3985..4041, 4126..4251, 4133..4249, 4367..4477		

Seq. No.	11449	Seq. ID	OJ990510_03.9A14.C28
Gene No.	24267	Strand	+
Start	368	End	5587
Name	OJ990510_03.9A14.C28.o1.tw	Method	TBLASTX:Wheat
Start	3525	End	3876
GI	none	Score	128
Exons	3525..3620, 3547..3627, 3553..3639, 3655..3876, 3687..3869		

Seq. No.	11449	Seq. ID	OJ990510_03.9A14.C28
Gene No.	24267	Strand	+
Start	368	End	5587
Name	OJ990510_03.9A14.C28.o2.gp	Method	AAT/GAP
Start	4395	End	5587
GI	none	Score	1049
Exons	4395..4481, 4562..4632, 5187..5587		

Seq. No.	11450	Seq. ID	OJ990510_03.9A14.C34
Gene No.	24268	Strand	+
Start	298	End	3171
Name	OJ990510_03.9A14.C34.o1.gs	Method	GENSCAN
Start	298	End	3171
GI	none	Score	.58
Exons	298..363, 2695..3171		

Seq. No.	11450	Seq. ID	OJ990510_03.9A14.C34
Gene No.	24269	Strand	+
Start	4017	End	4401
Name	OJ990510_03.9A14.C34.o1.gp	Method	AAT/GAP
Start	4017	End	4401
GI	uC-osflcyp033a04b1	Score	674
Exons	4017..4401		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11450	Seq. ID	OJ990510_03.9A14.C34
Gene No.	24270	Strand	+
Start	5779	End	6882
Name	OJ990510_03.9A14.C34.o3.gs	Method	GENSCAN
Start	5779	End	6882
GI	none	Score	.82
Exons	5779..6882		

Seq. No.	11450	Seq. ID	OJ990510_03.9A14.C34
Gene No.	24271	Strand	-
Start	1	End	4813
Name	OJ990510_03.9A14.C34.o1.np	Method	AAT/NAP
Start	1	End	4305
GI	5852180	Score	567
Exons	1..32, 1924..1974, 2682..3089, 3141..3259, 4250..4305		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	11450	Seq. ID	OJ990510_03.9A14.C34
Gene No.	24271	Strand	-
Start	1	End	4813
Name	OJ990510_03.9A14.C34.o2.gs	Method	GENSCAN
Start	3442	End	4813
GI	none	Score	.64
Exons	3442..3535, 3918..4090, 4763..4813		

Seq. No.	11450	Seq. ID	OJ990510_03.9A14.C34
Gene No.	24272	Strand	-
Start	8619	End	8797
Name	OJ990510_03.9A14.C34.o4.gs	Method	GENSCAN
Start	8619	End	8797
GI	none	Score	.91
Exons	8619..8797		

Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24273	Strand	+
Start	24102	End	27368
Name	OJ990510_03.9A14.C35.o3.np	Method	AAT/NAP
Start	24102	End	27365
GI	5803259	Score	4069
Exons	24102..25363, 25463..27365		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24273	Strand	+
Start	24102	End	27368
Name	OJ990510_03.9A14.C35.o5.gs	Method	GENSCAN
Start	24102	End	27368
GI	none	Score	.93
Exons	24102..25363, 25463..26108, 26150..26611, 26853..27368		

Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24274	Strand	-
Start	6351	End	10935
Name	OJ990510_03.9A14.C35.o1.gp	Method	AAT/GAP
Start	6351	End	9485
GI	none	Score	909

Exons	6351..6700, 9345..9485		
Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24274	Strand	-
Start	6351	End	10935
Name	OJ990510_03.9A14.C35.o2.gs	Method	GENSCAN
Start	9363	End	10505
GI	none	Score	.97
Exons	9363..10505		
Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24274	Strand	-
Start	6351	End	10935
Name	OJ990510_03.9A14.C35.o1.np	Method	AAT/NAP
Start	9366	End	10505
GI	6735313	Score	928
Exons	9366..10270, 10313..10505		
GI Descrip.	(AL137080) dnaJ-like protein [Arabidopsis thaliana]		
Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24274	Strand	-
Start	6351	End	10935
Name	OJ990510_03.9A14.C35.o2.gp	Method	AAT/GAP
Start	10319	End	10935
GI	36775_1.R1084	Score	858
Exons	10319..10621, 10742..10935		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24275	Strand	-
Start	19337	End	19636
Name	OJ990510_03.9A14.C35.o3.gp	Method	AAT/GAP
Start	19337	End	19636
GI	61605_3.R1084	Score	429
Exons	19337..19636		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24276	Strand	-
Start	20001	End	23813
Name	OJ990510_03.9A14.C35.o2.np	Method	AAT/NAP
Start	20001	End	23813
GI	6063554	Score	514
Exons	20001..20175, 20810..20837, 21156..21377, 21495..21774, 23794..23813		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24276	Strand	-
Start	20001	End	23813
Name	OJ990510_03.9A14.C35.o4.gp	Method	AAT/GAP
Start	20608	End	21344
GI	101153_1.R1084	Score	661

Exons	20608..20837, 21156..21344		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24276	Strand	-
Start	20001	End	23813
Name	OJ990510_03.9A14.C35.o4.gs	Method	GENSCAN
Start	22274	End	22940
GI	none	Score	.45
Exons	22274..22282, 22452..22609, 22850..22940		

Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24277	Strand	-
Start	27999	End	28376
Name	OJ990510_03.9A14.C35.o1.tm	Method	TBLASTX:Maize
Start	6393	End	10175
GI	none	Score	55
Exons	6393..6473, 6421..6471, 6427..6486, 6429..6482, 6568..6642, 6569..6643, 6569..6658, 6585..6665, 9356..9628, 9357..9629, 9358..9750, 9363..9644, 9634..9750, 9702..9902, 9738..9833, 9740..9889, 9885..10175, 9888..9935, 9890..9952, 9910..10170		

Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24277	Strand	-
Start	27999	End	28376
Name	OJ990510_03.9A14.C35.o1.ts	Method	TBLASTX:Soybean
Start	9345	End	10130
GI	none	Score	230
Exons	9345..9644, 9364..9726, 9708..9818, 9790..9819, 9810..10130, 9815..9940, 9910..10107		

Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24277	Strand	-
Start	27999	End	28376
Name	OJ990510_03.9A14.C35.o1.tc	Method	TBLASTX:Cress
Start	9349	End	10073
GI	none	Score	69
Exons	9349..9480, 9354..9479, 9537..9611, 9615..9644, 9616..9711, 9771..10073, 9815..9868, 9913..10059		

Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24277	Strand	-
Start	27999	End	28376
Name	OJ990510_03.9A14.C35.o2.tm	Method	TBLASTX:Maize
Start	27972	End	28142
GI	none	Score	125
Exons	27972..28142, 27973..28137		

Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24277	Strand	-
Start	27999	End	28376
Name	OJ990510_03.9A14.C35.o6.gs	Method	GENSCAN
Start	27999	End	28334
GI	none	Score	1
Exons	27999..28334		

Seq. No.	11451	Seq. ID	OJ990510_03.9A14.C35
Gene No.	24277	Strand	-
Start	27999	End	28376
Name	OJ990510_03.9A14.C35.o4.np	Method	AAT/NAP
Start	28002	End	28376
GI	6498441	Score	472
Exons	28002..28297, 28331..28376		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o4.tm	Method	TBLASTX:Maize
Start	15	End	185
GI	none	Score	125
Exons	15..185, 16..180		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o1.gs	Method	GENSCAN
Start	42	End	3707
GI	none	Score	.94
Exons	42..533, 596..2530, 2808..3707		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o1.np	Method	AAT/NAP
Start	45	End	5216
GI	6498441	Score	6095
Exons	45..326, 420..1816, 1988..2354, 2548..2904, 3079..3213, 3397..3770, 3834..4297, 4628..5216		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o6.tw	Method	TBLASTX:Wheat
Start	54	End	655
GI	none	Score	83
Exons	54..179, 58..180, 366..515, 373..516, 427..516, 551..655, 552..650, 580..651		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o4.tw	Method	TBLASTX:Wheat
Start	656	End	1037
GI	none	Score	172
Exons	656..1036, 687..935, 981..1037		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36

Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o2.tm	Method	TBLASTX:Maize
Start	851	End	1174
GI	none	Score	192
Exons	851..1174, 864..1145		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o7.tw	Method	TBLASTX:Wheat
Start	1367	End	1679
GI	none	Score	52
Exons	1367..1627, 1478..1666, 1503..1679		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o2.ts	Method	TBLASTX:Soybean
Start	1427	End	1993
GI	5666795	Score	68
Exons	1427..1627, 1682..1819, 1895..1993		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o5.tw	Method	TBLASTX:Wheat
Start	1682	End	2140
GI	none	Score	92
Exons	1682..1822, 1683..1820, 1878..2051, 1892..2140, 1892..2116		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o1.ts	Method	TBLASTX:Soybean
Start	2742	End	3113
GI	none	Score	90
Exons	2742..3113, 2953..3096		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o2.tw	Method	TBLASTX:Wheat
Start	2767	End	3191
GI	none	Score	328
Exons	2767..3186, 2772..3191		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o3.tm	Method	TBLASTX:Maize
Start	2865	End	3249
GI	none	Score	221
Exons	2865..3248, 2884..3249		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36

Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o1.tm	Method	TBLASTX:Maize
Start	3276	End	3632
GI	none	Score	116
Exons	3276..3581, 3276..3632, 3286..3597		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o1.tw	Method	TBLASTX:Wheat
Start	3300	End	3763
GI	none	Score	400
Exons	3300..3761, 3301..3762, 3320..3763		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o3.ts	Method	TBLASTX:Soybean
Start	3357	End	3722
GI	none	Score	117
Exons	3357..3491, 3498..3722		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o2.gs	Method	GENSCAN
Start	3771	End	5206
GI	none	Score	.69
Exons	3771..5115, 5133..5206		

Seq. No.	11452	Seq. ID	OJ990510_03.9A14.C36
Gene No.	24278	Strand	-
Start	42	End	5216
Name	OJ990510_03.9A14.C36.o3.tw	Method	TBLASTX:Wheat
Start	3927	End	4413
GI	none	Score	172
Exons	3927..4412, 3931..4218, 4240..4413		

Seq. No.	11453	Seq. ID	OJ990510_03.9A14.C37
Gene No.	24279	Strand	+
Start	441	End	3016
Name	OJ990510_03.9A14.C37.o3.np	Method	AAT/NAP
Start	441	End	2577
GI	6063554	Score	99
Exons	441..595, 2409..2577		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11453	Seq. ID	OJ990510_03.9A14.C37
Gene No.	24279	Strand	+
Start	441	End	3016
Name	OJ990510_03.9A14.C37.o2.np	Method	AAT/NAP
Start	963	End	3016
GI	5922623	Score	322
Exons	963..1043, 1411..1558, 1727..1802, 2979..3016		

GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	11453	Seq. ID	OJ990510_03.9A14.C37
Gene No.	24280	Strand	-
Start	1	End	1529
Name	OJ990510_03.9A14.C37.o1.np	Method	AAT/NAP
Start	1	End	1529
GI	5042454	Score	1653
Exons	1..904, 960..1066, 1390..1529		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	11453	Seq. ID	OJ990510_03.9A14.C37
Gene No.	24281	Strand	-
Start	3481	End	5019
Name	OJ990510_03.9A14.C37.o2.gs	Method	GENSCAN
Start	3481	End	5019
GI	none	Score	.84
Exons	3481..3538, 4952..5019		
Seq. No.	11453	Seq. ID	OJ990510_03.9A14.C37
Gene No.	24282	Strand	-
Start	8222	End	8354
Name	OJ990510_03.9A14.C37.o1.tw	Method	TBLASTX:Wheat
Start	2	End	232
GI	none	Score	76
Exons	2..97, 80..178, 81..161, 185..232		
Seq. No.	11453	Seq. ID	OJ990510_03.9A14.C37
Gene No.	24282	Strand	-
Start	8222	End	8354
Name	OJ990510_03.9A14.C37.o4.np	Method	AAT/NAP
Start	8222	End	8354
GI	5777617	Score	73
Exons	8222..8354		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	11454	Seq. ID	OJ990510_03.9A14.C38
Gene No.	24283	Strand	+
Start	192	End	1478
Name	OJ990510_03.9A14.C38.o1.np	Method	AAT/NAP
Start	192	End	1375
GI	5103837	Score	600
Exons	192..593, 766..855, 967..1034, 1138..1375		
GI Descrip.	(AC007591) Simalar to gi|4377403 Polypeptide Deformylase from Chlamydia pneumoniae genome gb|AE001687. [Arabidopsis thaliana]		
Seq. No.	11454	Seq. ID	OJ990510_03.9A14.C38
Gene No.	24283	Strand	+
Start	192	End	1478
Name	OJ990510_03.9A14.C38.o1.gp	Method	AAT/GAP
Start	198	End	1006
GI	uC-osflcyp154h05b1	Score	952
Exons	198..593, 766..855, 967..1006		
GI Descrip.	'5103837/gb|AAD39667.1|AC007591_32 4.0e-32 (AC007591) Simalar to gi_4377403 Polypeptide Deformylase from Chlamydia pneumoniae		

genome gb_AE001687. [Arabidopsis thaliana]'

Seq. No.	11454	Seq. ID	OJ990510_03.9A14.C38
Gene No.	24283	Strand	+
Start	192	End	1478
Name	OJ990510_03.9A14.C38.o1.gs	Method	GENSCAN
Start	210	End	1277
GI	none	Score	.95
Exons	210..593, 766..855, 967..1034, 1138..1277		

Seq. No.	11454	Seq. ID	OJ990510_03.9A14.C38
Gene No.	24283	Strand	+
Start	192	End	1478
Name	OJ990510_03.9A14.C38.o1.tm	Method	TBLASTX:Maize
Start	399	End	1002
GI	none	Score	293
Exons	399..596, 404..598, 764..856, 765..854, 765..866, 766..858, 967..1002		

Seq. No.	11454	Seq. ID	OJ990510_03.9A14.C38
Gene No.	24283	Strand	+
Start	192	End	1478
Name	OJ990510_03.9A14.C38.o1.ts	Method	TBLASTX:Soybean
Start	399	End	1032
GI	none	Score	238
Exons	399..596, 413..598, 765..860, 766..858, 967..1032		

Seq. No.	11454	Seq. ID	OJ990510_03.9A14.C38
Gene No.	24283	Strand	+
Start	192	End	1478
Name	OJ990510_03.9A14.C38.o1.tc	Method	TBLASTX:Cress
Start	422	End	822
GI	none	Score	201
Exons	422..598, 423..596, 766..822		

Seq. No.	11454	Seq. ID	OJ990510_03.9A14.C38
Gene No.	24283	Strand	+
Start	192	End	1478
Name	OJ990510_03.9A14.C38.o2.gp	Method	AAT/GAP
Start	982	End	1478
GI	uC-osflcyp154h05a1	Score	622
Exons	982..1034, 1143..1478		
GI Descrip.	'5103837/gb|AAD39667.1|AC007591_32 4.0e-19 (AC007591) Simalar to gi_4377403 Polypeptide Deformylase from Chlamydia pneumoniae genome gb_AE001687. [Arabidopsis thaliana]'		

Seq. No.	11454	Seq. ID	OJ990510_03.9A14.C38
Gene No.	24283	Strand	+
Start	192	End	1478
Name	OJ990510_03.9A14.C38.o2.tc	Method	TBLASTX:Cress
Start	1126	End	1378
GI	none	Score	74
Exons	1126..1185, 1187..1249, 1189..1251, 1249..1305, 1250..1306, 1307..1378, 1315..1368		

Seq. No.	11454	Seq. ID	OJ990510_03.9A14.C38
Gene No.	24283	Strand	+

Start	192	End	1478
Name	OJ990510_03.9A14.C38.o2.ts	Method	TBLASTX:Soybean
Start	1210	End	1378
GI	none	Score	212
Exons	1210..1359, 1211..1378, 1214..1363		

Seq. No.	11455	Seq. ID	OJ990510_03.9A14.C39
Gene No.	24284	Strand	+
Start	2053	End	2803
Name	OJ990510_03.9A14.C39.o1.gp	Method	AAT/GAP
Start	2053	End	2569
GI	67948_1.R1084	Score	954
Exons	2053..2569		
GI Descrip.	'3269297/emb|CAA19730.1| 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana]'		

Seq. No.	11455	Seq. ID	OJ990510_03.9A14.C39
Gene No.	24284	Strand	+
Start	2053	End	2803
Name	OJ990510_03.9A14.C39.o2.gs	Method	GENSCAN
Start	2324	End	2803
GI	none	Score	.99
Exons	2324..2803		

Seq. No.	11455	Seq. ID	OJ990510_03.9A14.C39
Gene No.	24285	Strand	-
Start	938	End	1844
Name	OJ990510_03.9A14.C39.o1.gs	Method	GENSCAN
Start	938	End	1844
GI	none	Score	.65
Exons	938..1023, 1694..1844		

Seq. No.	11455	Seq. ID	OJ990510_03.9A14.C39
Gene No.	24286	Strand	
Start	2318	End	2650
Name	OJ990510_03.9A14.C39.o1.tm	Method	TBLASTX:Maize
Start	2318	End	2650
GI	none	Score	48
Exons	2318..2344, 2320..2349, 2344..2418, 2345..2419, 2456..2506, 2462..2497, 2518..2580, 2525..2581, 2597..2650		

Seq. No.	11456	Seq. ID	OJ990510_03.9A14.C40
Gene No.	24287	Strand	+
Start	1	End	242
Name	OJ990510_03.9A14.C40.o1.gp	Method	AAT/GAP
Start	1	End	242
GI	3766591	Score	445
Exons	1..242		
GI Descrip.	3269297/emb|CAA19730.1| 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana]		

Seq. No.	11456	Seq. ID	OJ990510_03.9A14.C40
Gene No.	24288	Strand	+
Start	518	End	648
Name	OJ990510_03.9A14.C40.o1.gs	Method	GENSCAN
Start	518	End	648
GI	none	Score	.43

Exons	518..648		
Seq. No.	11457	Seq. ID	OJ990510_03.9A14.C41
Gene No.	24289	Strand	+
Start	228	End	303
Name	OJ990510_03.9A14.C41.o1.gs	Method	GENSCAN
Start	228	End	303
GI	none	Score	.9
Exons	228..303		
Seq. No.	11457	Seq. ID	OJ990510_03.9A14.C41
Gene No.	24290	Strand	+
Start	1539	End	3844
Name	OJ990510_03.9A14.C41.o1.np	Method	AAT/NAP
Start	1539	End	3844
GI	6815109	Score	75
Exons	1539..1675, 3754..3844		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	11458	Seq. ID	OJ990510_03.9A14.C42
Gene No.	24291	Strand	+
Start	30	End	229
Name	OJ990510_03.9A14.C42.o1.gs	Method	GENSCAN
Start	30	End	229
GI	none	Score	.85
Exons	30..229		
Seq. No.	11458	Seq. ID	OJ990510_03.9A14.C42
Gene No.	24292	Strand	-
Start	1	End	237
Name	OJ990510_03.9A14.C42.o1.gp	Method	AAT/GAP
Start	1	End	237
GI	17629_1.R1084	Score	419
Exons	1..237		
GI Descrip.	'3269297/emb|CAA19730.1| 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana]'		
Seq. No.	11459	Seq. ID	OJ990510_03.9A14.C43
Gene No.	24293	Strand	+
Start	608	End	3502
Name	OJ990510_03.9A14.C43.o1.gs	Method	GENSCAN
Start	608	End	3502
GI	none	Score	.81
Exons	608..675, 1133..1364, 1460..1687, 3036..3160, 3378..3502		
Seq. No.	11459	Seq. ID	OJ990510_03.9A14.C43
Gene No.	24293	Strand	+
Start	608	End	3502
Name	OJ990510_03.9A14.C43.o1.gp	Method	AAT/GAP
Start	1120	End	1313
GI	17629_1.R1084	Score	349
Exons	1120..1313		
GI Descrip.	'3269297/emb|CAA19730.1| 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana]'		
Seq. No.	11459	Seq. ID	OJ990510_03.9A14.C43
Gene No.	24293	Strand	+

Start	608	End	3502
Name	OJ990510_03.9A14.C43.o1.tc	Method	TBLASTX:Cress
Start	1127	End	1756
GI	none	Score	258
Exons	1127..1345, 1128..1349, 1128..1349, 1235..1369, 1457..1756, 1457..1675, 1462..1755		

Seq. No.	11459	Seq. ID	OJ990510_03.9A14.C43
Gene No.	24293	Strand	+
Start	608	End	3502
Name	OJ990510_03.9A14.C43.o1.ts	Method	TBLASTX:Soybean
Start	1127	End	1546
GI	none	Score	242
Exons	1127..1345, 1128..1349, 1128..1349, 1129..1365, 1457..1546, 1457..1540, 1462..1542		

Seq. No.	11459	Seq. ID	OJ990510_03.9A14.C43
Gene No.	24293	Strand	+
Start	608	End	3502
Name	OJ990510_03.9A14.C43.o1.tw	Method	TBLASTX:Wheat
Start	1127	End	1277
GI	none	Score	216
Exons	1127..1264, 1128..1268, 1128..1277		

Seq. No.	11459	Seq. ID	OJ990510_03.9A14.C43
Gene No.	24293	Strand	+
Start	608	End	3502
Name	OJ990510_03.9A14.C43.o1.tm	Method	TBLASTX:Maize
Start	1127	End	1762
GI	none	Score	327
Exons	1127..1342, 1128..1349, 1128..1349, 1130..1369, 1457..1762, 1457..1756, 1459..1758		

Seq. No.	11459	Seq. ID	OJ990510_03.9A14.C43
Gene No.	24293	Strand	+
Start	608	End	3502
Name	OJ990510_03.9A14.C43.o2.gp	Method	AAT/GAP
Start	1274	End	1961
GI	none	Score	1056
Exons	1274..1364, 1460..1961		

Seq. No.	11460	Seq. ID	OJ990510_03.9A14.C44
Gene No.	24294	Strand	+
Start	1	End	243
Name	OJ990510_03.9A14.C44.o1.np	Method	AAT/NAP
Start	1	End	243
GI	5042454	Score	419
Exons	1..243		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	11460	Seq. ID	OJ990510_03.9A14.C44
Gene No.	24295	Strand	-
Start	7	End	88
Name	OJ990510_03.9A14.C44.o1.gs	Method	GENSCAN
Start	7	End	88
GI	none	Score	.99
Exons	7..88		

Seq. No.	11460	Seq. ID	OJ990510_03.9A14.C44
Gene No.	24296	Strand	
Start	1	End	223
Name	OJ990510_03.9A14.C44.o1.tw	Method	TBLASTX:Wheat
Start	1	End	223
GI	none	Score	72
Exons	1..57, 2..58, 25..219, 41..223		

Seq. No.	11461	Seq. ID	OJ990510_03.9A14.C45
Gene No.	24297	Strand	-
Start	1	End	722
Name	OJ990510_03.9A14.C45.o1.np	Method	AAT/NAP
Start	1	End	722
GI	4234848	Score	343
Exons	1..537, 580..722		
GI Descrip.	(AF082131) gag-pol polyprotein [Zea mays]		

Seq. No.	11461	Seq. ID	OJ990510_03.9A14.C45
Gene No.	24297	Strand	-
Start	1	End	722
Name	OJ990510_03.9A14.C45.o1.tm	Method	TBLASTX:Maize
Start	69	End	648
GI	none	Score	156
Exons	69..323, 69..647, 70..648		

Seq. No.	11461	Seq. ID	OJ990510_03.9A14.C45
Gene No.	24297	Strand	-
Start	1	End	722
Name	OJ990510_03.9A14.C45.o1.gs	Method	GENSCAN
Start	89	End	610
GI	none	Score	.52
Exons	89..610		

Seq. No.	11462	Seq. ID	OJ990510_03.9A14.C46
Gene No.	24298	Strand	+
Start	88	End	318
Name	OJ990510_03.9A14.C46.o1.gp	Method	AAT/GAP
Start	88	End	318
GI	uC-osflcyp033a04b1	Score	428
Exons	88..318		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	11462	Seq. ID	OJ990510_03.9A14.C46
Gene No.	24298	Strand	+
Start	88	End	318
Name	OJ990510_03.9A14.C46.o1.gs	Method	GENSCAN
Start	193	End	258
GI	none	Score	.53
Exons	193..258		

Seq. No.	11462	Seq. ID	OJ990510_03.9A14.C46
Gene No.	24299	Strand	-
Start	17	End	318
Name	OJ990510_03.9A14.C46.o1.np	Method	AAT/NAP
Start	17	End	318

GI	4680186	Score	219
Exons	17..318		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	11463	Seq. ID	OJ990510_03.9A14.C47
Gene No.	24300	Strand	
Start	37	End	390
Name	OJ990510_03.9A14.C47.o1.tm	Method	TBLASTX:Maize
Start	37	End	225
GI	none	Score	74
Exons	37..225, 56..217		

Seq. No.	11463	Seq. ID	OJ990510_03.9A14.C47
Gene No.	24300	Strand	
Start	37	End	390
Name	OJ990510_03.9A14.C47.o1.tw	Method	TBLASTX:Wheat
Start	61	End	390
GI	none	Score	103
Exons	61..390, 175..390		

Seq. No.	11464	Seq. ID	OJ990510_03.9A14.C50
Gene No.	24301	Strand	+
Start	141	End	2854
Name	OJ990510_03.9A14.C50.o2.tm	Method	TBLASTX:Maize
Start	140	End	525
GI	none	Score	103
Exons	140..301, 141..302, 379..525, 388..525		

Seq. No.	11464	Seq. ID	OJ990510_03.9A14.C50
Gene No.	24301	Strand	+
Start	141	End	2854
Name	OJ990510_03.9A14.C50.o1.gs	Method	GENSCAN
Start	141	End	2854
GI	none	Score	.89
Exons	141..284, 364..637, 732..834, 1464..1584, 1671..1831, 1906..2086, 2252..2422, 2502..2581, 2669..2755, 2836..2854		

Seq. No.	11464	Seq. ID	OJ990510_03.9A14.C50
Gene No.	24301	Strand	+
Start	141	End	2854
Name	OJ990510_03.9A14.C50.o1.tm	Method	TBLASTX:Maize
Start	1147	End	2149
GI	none	Score	62
Exons	1147..1200, 1147..1200, 1298..1381, 1305..1373, 1534..1584, 1677..1709, 1725..1832, 1727..1789, 1903..2028, 1904..2029, 2005..2148, 2033..2149		

Seq. No.	11465	Seq. ID	OJ990510_03.9A14.C52
Gene No.	24302	Strand	-
Start	1	End	666
Name	OJ990510_03.9A14.C52.o1.np	Method	AAT/NAP
Start	1	End	666
GI	3063392	Score	100
Exons	1..93, 535..666		
GI Descrip.	(AB012932) Ca2+/H+ exchanger [Vigna radiata]		

Seq. No.	11465	Seq. ID	OJ990510_03.9A14.C52

Gene No.	24302	Strand	-
Start	1	End	666
Name	OJ990510_03.9A14.C52.o1.gs	Method	GENSCAN
Start	11	End	104
GI	none	Score	.58
Exons	11..104		

Seq. No.	11466	Seq. ID	OJ990510_03.9A14.C54
Gene No.	24303	Strand	-
Start	572	End	643
Name	OJ990510_03.9A14.C54.o1.gs	Method	GENSCAN
Start	572	End	643
GI	none	Score	.42
Exons	572..643		

Seq. No.	11467	Seq. ID	OJ990510_03.9A14.C56
Gene No.	24304	Strand	-
Start	991	End	1443
Name	OJ990510_03.9A14.C56.o1.np	Method	AAT/NAP
Start	991	End	1443
GI	6539570	Score	193
Exons	991..1057, 1249..1443		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11468	Seq. ID	OJ990730_09.9A01.C1
Gene No.	24305	Strand	+
Start	249	End	524
Name	OJ990730_09.9A01.C1.o1.gp	Method	AAT/GAP
Start	249	End	524
GI	61605_1.R1084	Score	477
Exons	249..524		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11468	Seq. ID	OJ990730_09.9A01.C1
Gene No.	24306	Strand	-
Start	889	End	958
Name	OJ990730_09.9A01.C1.o1.gs	Method	GENSCAN
Start	889	End	958
GI	none	Score	.7
Exons	889..958		

Seq. No.	11469	Seq. ID	OJ990730_09.9A01.C2
Gene No.	24307	Strand	-
Start	1	End	995
Name	OJ990730_09.9A01.C2.o1.np	Method	AAT/NAP
Start	1	End	995
GI	6907086	Score	953
Exons	1..167, 225..995		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	11469	Seq. ID	OJ990730_09.9A01.C2
Gene No.	24308	Strand	-
Start	1692	End	5006
Name	OJ990730_09.9A01.C2.o2.np	Method	AAT/NAP
Start	1692	End	5006
GI	4680186	Score	187

Exons 1692..2107, 2580..2657, 4967..5006
GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 11469 Seq. ID OJ990730_09.9A01.C2
Gene No. 24308 Strand -
Start 1692 End 5006
Name OJ990730_09.9A01.C2.o2.gs Method GENSCAN
Start 3863 End 4951
GI none Score .63
Exons 3863..3908, 4294..4455, 4520..4631, 4709..4782, 4800..4951

Seq. No. 11470 Seq. ID OJ990730_09.9A01.C3
Gene No. 24309 Strand -
Start 225 End 11551
Name OJ990730_09.9A01.C3.o1.gs Method GENSCAN
Start 225 End 11542
GI none Score .52
Exons 225..228, 2367..2537, 2615..2820, 3509..3649, 4091..4343, 5245..5344, 5772..5907, 6325..6486, 6573..7007, 7084..7308, 7385..7741, 7902..8042, 8384..8476, 9232..9395, 9904..10169, 10271..10436, 10552..10926, 11182..11542

Seq. No. 11470 Seq. ID OJ990730_09.9A01.C3
Gene No. 24309 Strand -
Start 225 End 11551
Name OJ990730_09.9A01.C3.o1.np Method AAT/NAP
Start 7286 End 11551
GI 6907089 Score 1071
Exons 7286..7372, 10271..10515, 10547..11551
GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 11471 Seq. ID OJ990730_09.9A01.C4
Gene No. 24310 Strand -
Start 229 End 1685
Name OJ990730_09.9A01.C4.o1.tw Method TBLASTX:Wheat
Start 6 End 708
GI none Score 46
Exons 6..149, 82..126, 193..225, 250..708, 293..427, 524..664

Seq. No. 11471 Seq. ID OJ990730_09.9A01.C4
Gene No. 24310 Strand -
Start 229 End 1685
Name OJ990730_09.9A01.C4.o1.tc Method TBLASTX:Cress
Start 6 End 421
GI none Score 89
Exons 6..149, 250..417, 293..421

Seq. No. 11471 Seq. ID OJ990730_09.9A01.C4
Gene No. 24310 Strand -
Start 229 End 1685
Name OJ990730_09.9A01.C4.o1.np Method AAT/NAP
Start 229 End 1685
GI 5911167 Score 1155
Exons 229..1685
GI Descrip. (AF136221) putative transposase protein [Zea mays]

Seq. No. 11471 Seq. ID OJ990730_09.9A01.C4

Gene No.	24310	Strand	-
Start	229	End	1685
Name	OJ990730_09.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	352	End	732
GI	none	Score	50
Exons	352..666, 679..732		

Seq. No.	11471	Seq. ID	OJ990730_09.9A01.C4
Gene No.	24310	Strand	-
Start	229	End	1685
Name	OJ990730_09.9A01.C4.o3.tw	Method	TBLASTX:Wheat
Start	718	End	1038
GI	none	Score	86
Exons	718..795, 835..918, 919..1038, 931..1038		

Seq. No.	11471	Seq. ID	OJ990730_09.9A01.C4
Gene No.	24310	Strand	-
Start	229	End	1685
Name	OJ990730_09.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	829	End	1035
GI	none	Score	76
Exons	829..1035, 844..1035		

Seq. No.	11471	Seq. ID	OJ990730_09.9A01.C4
Gene No.	24310	Strand	-
Start	229	End	1685
Name	OJ990730_09.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	1149	End	1383
GI	none	Score	58
Exons	1149..1382, 1158..1358, 1228..1383		

Seq. No.	11471	Seq. ID	OJ990730_09.9A01.C4
Gene No.	24310	Strand	-
Start	229	End	1685
Name	OJ990730_09.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	1218	End	1667
GI	none	Score	103
Exons	1218..1412, 1219..1437, 1419..1661, 1420..1662, 1530..1667		

Seq. No.	11471	Seq. ID	OJ990730_09.9A01.C4
Gene No.	24310	Strand	-
Start	229	End	1685
Name	OJ990730_09.9A01.C4.o2.tw	Method	TBLASTX:Wheat
Start	1252	End	1674
GI	none	Score	73
Exons	1252..1446, 1257..1412, 1443..1550, 1456..1551, 1458..1553, 1560..1664, 1567..1674		

Seq. No.	11471	Seq. ID	OJ990730_09.9A01.C4
Gene No.	24310	Strand	-
Start	229	End	1685
Name	OJ990730_09.9A01.C4.o2.tc	Method	TBLASTX:Cress
Start	1506	End	1682
GI	none	Score	96
Exons	1506..1682, 1507..1659		

Seq. No.	11472	Seq. ID	OJ990730_09.9A01.C5

Gene No.	24311	Strand	-
Start	1	End	505
Name	OJ990730_09.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	505
GI	5852179	Score	125
Exons	1..505		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	11472	Seq. ID	OJ990730_09.9A01.C5
Gene No.	24311	Strand	-
Start	1	End	505
Name	OJ990730_09.9A01.C5.o1.gs	Method	GENSCAN
Start	46	End	380
GI	none	Score	.67
Exons	46..380		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24312	Strand	+
Start	1	End	1479
Name	OJ990730_09.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	627
GI	22490	Score	216
Exons	1..101, 296..627		
GI Descrip.	(X01380) ORF1 [Zea mays]		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24312	Strand	+
Start	1	End	1479
Name	OJ990730_09.9A01.C6.o1.gs	Method	GENSCAN
Start	122	End	1479
GI	none	Score	.74
Exons	122..560, 657..715, 1396..1479		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	194	End	718
GI	none	Score	412
Exons	194..565, 202..561, 284..565, 677..718		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o5.tw	Method	TBLASTX:Wheat
Start	197	End	463
GI	none	Score	183
Exons	197..463, 286..462		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o2.ts	Method	TBLASTX:Soybean
Start	275	End	541
GI	none	Score	240
Exons	275..541, 295..528		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o2.np	Method	AAT/NAP
Start	3588	End	7123
GI	4680203	Score	2234
Exons	3588..3611, 4893..6566, 6720..6974, 7073..7123		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o1.gp	Method	AAT/GAP
Start	4437	End	5031
GI	2310235	Score	290
Exons	4437..4474, 4893..5031		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o2.gp	Method	AAT/GAP
Start	4897	End	7123
GI	342_1.R1084	Score	3705
Exons	4897..7123		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o3.tw	Method	TBLASTX:Wheat
Start	5244	End	5600
GI	none	Score	103
Exons	5244..5351, 5334..5585, 5342..5584, 5343..5600, 5344..5595		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	5516	End	5945
GI	none	Score	93
Exons	5516..5599, 5517..5591, 5592..5654, 5649..5945, 5703..5927		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o1.tc	Method	TBLASTX:Cress
Start	5678	End	6026
GI	none	Score	287
Exons	5678..5833, 5685..6026, 5870..6007		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o1.tw	Method	TBLASTX:Wheat

Start	5814	End	6283
GI	none	Score	54
Exons	5814..5867, 5822..5866, 5868..5972, 5879..5968, 5976..6074, 5981..6070, 6054..6272, 6074..6283, 6077..6283		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	5859	End	6317
GI	none	Score	233
Exons	5859..6113, 5871..6113, 6123..6317		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o3.ts	Method	TBLASTX:Soybean
Start	6147	End	6389
GI	none	Score	193
Exons	6147..6389		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o2.tw	Method	TBLASTX:Wheat
Start	6422	End	6870
GI	none	Score	87
Exons	6422..6472, 6423..6485, 6471..6713, 6491..6673, 6785..6868, 6785..6868, 6786..6869, 6787..6870		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o4.tw	Method	TBLASTX:Wheat
Start	6871	End	7099
GI	none	Score	315
Exons	6871..7098, 6872..7099		

Seq. No.	11473	Seq. ID	OJ990730_09.9A01.C6
Gene No.	24313	Strand	+
Start	3588	End	7123
Name	OJ990730_09.9A01.C6.o3.tm	Method	TBLASTX:Maize
Start	6875	End	7099
GI	none	Score	211
Exons	6875..7099, 6886..7098		

Seq. No.	11474	Seq. ID	OJ990730_09.9A01.C7
Gene No.	24314	Strand	+
Start	1	End	652
Name	OJ990730_09.9A01.C7.o1.np	Method	AAT/NAP
Start	1	End	631
GI	4680203	Score	540
Exons	1..631		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11474	Seq. ID	OJ990730_09.9A01.C7
Gene No.	24314	Strand	+

Start	1	End	652
Name	OJ990730_09.9A01.C7.o1.gs	Method	GENSCAN
Start	47	End	652
GI	none	Score	.93
Exons	47..226, 242..652		

Seq. No.	11474	Seq. ID	OJ990730_09.9A01.C7
Gene No.	24315	Strand	-
Start	1326	End	1620
Name	OJ990730_09.9A01.C7.o1.tw	Method	TBLASTX:Wheat
Start	7	End	577
GI	none	Score	80
Exons	7..66, 71..178, 76..162, 171..212, 173..217, 194..217, 220..315, 224..283, 262..366, 263..409, 284..409, 295..411, 416..496, 421..465, 485..577, 511..576		

Seq. No.	11474	Seq. ID	OJ990730_09.9A01.C7
Gene No.	24315	Strand	-
Start	1326	End	1620
Name	OJ990730_09.9A01.C7.o2.gs	Method	GENSCAN
Start	1326	End	1620
GI	none	Score	.83
Exons	1326..1466, 1501..1620		

Seq. No.	11475	Seq. ID	OJ990730_09.9A01.C8
Gene No.	24316	Strand	+
Start	182	End	2981
Name	OJ990730_09.9A01.C8.o1.gs	Method	GENSCAN
Start	182	End	2981
GI	none	Score	.59
Exons	182..218, 468..547, 789..851, 1996..2286, 2357..2540, 2770..2981		

Seq. No.	11475	Seq. ID	OJ990730_09.9A01.C8
Gene No.	24317	Strand	+
Start	4132	End	8270
Name	OJ990730_09.9A01.C8.o3.np	Method	AAT/NAP
Start	4132	End	6897
GI	4680204	Score	759
Exons	4132..5567, 5663..6735, 6840..6897		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	11475	Seq. ID	OJ990730_09.9A01.C8
Gene No.	24317	Strand	+
Start	4132	End	8270
Name	OJ990730_09.9A01.C8.o4.np	Method	AAT/NAP
Start	4132	End	8270
GI	4680204	Score	756
Exons	4132..5567, 5663..6218, 8236..8270		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	11475	Seq. ID	OJ990730_09.9A01.C8
Gene No.	24318	Strand	-
Start	917	End	3053
Name	OJ990730_09.9A01.C8.o1.np	Method	AAT/NAP
Start	917	End	3053
GI	6063554	Score	167
Exons	917..1122, 2267..2477, 2937..3053		

GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	11475	Seq. ID	OJ990730_09.9A01.C8
Gene No.	24318	Strand	-
Start	917	End	3053
Name	OJ990730_09.9A01.C8.o1.gp	Method	AAT/GAP
Start	1077	End	1508
GI	2428185	Score	705
Exons	1077..1508		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	11475	Seq. ID	OJ990730_09.9A01.C8
Gene No.	24318	Strand	-
Start	917	End	3053
Name	OJ990730_09.9A01.C8.o2.np	Method	AAT/NAP
Start	1643	End	2553
GI	5852178	Score	535
Exons	1643..1737, 2111..2218, 2250..2553		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	11475	Seq. ID	OJ990730_09.9A01.C8
Gene No.	24319	Strand	
Start	4776	End	5177
Name	OJ990730_09.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	4776	End	5177
GI	none	Score	197
Exons	4776..5012, 4776..4970, 4832..5017, 5007..5177, 5060..5176		
Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24320	Strand	+
Start	3334	End	14497
Name	OJ990730_09.9A01.C9.o3.np	Method	AAT/NAP
Start	3334	End	14497
GI	5852175	Score	179
Exons	3334..3377, 3931..3987, 4560..4656, 5275..5307, 6277..6327, 14461..14497		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24320	Strand	+
Start	3334	End	14497
Name	OJ990730_09.9A01.C9.o1.np	Method	AAT/NAP
Start	5919	End	11228
GI	4680179	Score	735
Exons	5919..7034, 11161..11228		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24320	Strand	+
Start	3334	End	14497
Name	OJ990730_09.9A01.C9.o2.gs	Method	GENSCAN
Start	5985	End	7100
GI	none	Score	.61
Exons	5985..7100		

Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24320	Strand	+
Start	3334	End	14497
Name	OJ990730_09.9A01.C9.o4.np	Method	AAT/NAP
Start	7797	End	9933
GI	6063554	Score	243
Exons	7797..7837, 8271..8485, 9154..9184, 9770..9933		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24320	Strand	+
Start	3334	End	14497
Name	OJ990730_09.9A01.C9.o3.gp	Method	AAT/GAP
Start	9137	End	9386
GI	101153_1.R1084	Score	389
Exons	9137..9386		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24320	Strand	+
Start	3334	End	14497
Name	OJ990730_09.9A01.C9.o4.gp	Method	AAT/GAP
Start	10306	End	10578
GI	61605_1.R1084	Score	469
Exons	10306..10578		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24321	Strand	-
Start	6079	End	6566
Name	OJ990730_09.9A01.C9.o2.gp	Method	AAT/GAP
Start	6079	End	6566
GI	uC-osflcyp162a07a1	Score	666
Exons	6079..6306, 6406..6566		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24322	Strand	-
Start	6833	End	9870
Name	OJ990730_09.9A01.C9.o2.np	Method	AAT/NAP
Start	6833	End	8756
GI	5852179	Score	356
Exons	6833..6861, 8275..8449, 8524..8756		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24322	Strand	-
Start	6833	End	9870
Name	OJ990730_09.9A01.C9.o3.gs	Method	GENSCAN
Start	7964	End	9870
GI	none	Score	.83

Exons	7964..8752, 9727..9870		
Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24323	Strand	-
Start	11386	End	12598
Name	OJ990730_09.9A01.C9.o4.gs	Method	GENSCAN
Start	11386	End	12598
GI	none	Score	.71
Exons	11386..11603, 11731..11854, 12285..12321, 12543..12598		
Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24323	Strand	-
Start	11386	End	12598
Name	OJ990730_09.9A01.C9.o5.np	Method	AAT/NAP
Start	11458	End	11854
GI	5852182	Score	416
Exons	11458..11658, 11726..11854		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24324	Strand	-
Start	13054	End	14144
Name	OJ990730_09.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	6147	End	6503
GI	none	Score	290
Exons	6147..6503, 6155..6325, 6362..6502		
Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24324	Strand	-
Start	13054	End	14144
Name	OJ990730_09.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	6387	End	6674
GI	none	Score	209
Exons	6387..6647, 6410..6571, 6612..6674		
Seq. No.	11476	Seq. ID	OJ990730_09.9A01.C9
Gene No.	24324	Strand	-
Start	13054	End	14144
Name	OJ990730_09.9A01.C9.o5.gs	Method	GENSCAN
Start	13054	End	14144
GI	none	Score	.94
Exons	13054..13173, 13199..13245, 13372..13388, 13834..14144		
Seq. No.	11477	Seq. ID	OJ990730_09.9A01.C10
Gene No.	24325	Strand	+
Start	45	End	358
Name	OJ990730_09.9A01.C10.o1.gs	Method	GENSCAN
Start	45	End	358
GI	none	Score	.99
Exons	45..138, 153..358		
Seq. No.	11477	Seq. ID	OJ990730_09.9A01.C10
Gene No.	24326	Strand	+
Start	1857	End	2344
Name	OJ990730_09.9A01.C10.o1.gp	Method	AAT/GAP
Start	1857	End	2344
GI	uC-osflcyp162a07a1	Score	494

Exons	1857..2017, 2117..2344		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		
Seq. No.	11477	Seq. ID	OJ990730_09.9A01.C10
Gene No.	24327	Strand	+
Start	2952	End	3265
Name	OJ990730_09.9A01.C10.o2.gp	Method	AAT/GAP
Start	2952	End	3265
GI	61605_3.R1084	Score	441
Exons	2952..3265		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	11477	Seq. ID	OJ990730_09.9A01.C10
Gene No.	24328	Strand	-
Start	1	End	3289
Name	OJ990730_09.9A01.C10.o1.np	Method	AAT/NAP
Start	1	End	3289
GI	5042447	Score	738
Exons	1..107, 745..806, 1401..2434, 3209..3289		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	11477	Seq. ID	OJ990730_09.9A01.C10
Gene No.	24328	Strand	-
Start	1	End	3289
Name	OJ990730_09.9A01.C10.o2.gs	Method	GENSCAN
Start	1329	End	2459
GI	none	Score	.49
Exons	1329..1805, 1902..2459		
Seq. No.	11477	Seq. ID	OJ990730_09.9A01.C10
Gene No.	24328	Strand	-
Start	1	End	3289
Name	OJ990730_09.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	1725	End	2039
GI	none	Score	40
Exons	1725..1811, 1776..2039, 1852..2013		
Seq. No.	11477	Seq. ID	OJ990730_09.9A01.C10
Gene No.	24328	Strand	-
Start	1	End	3289
Name	OJ990730_09.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	1920	End	2276
GI	none	Score	80
Exons	1920..2276, 1921..2061, 2098..2274		
Seq. No.	11478	Seq. ID	OJ990730_09.9A01.C11
Gene No.	24329	Strand	+
Start	921	End	2519
Name	OJ990730_09.9A01.C11.o1.np	Method	AAT/NAP
Start	921	End	2519
GI	4680203	Score	115
Exons	921..1023, 2194..2449, 2489..2519		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12

Gene No.	24330	Strand	+
Start	72	End	149
Name	OJ990730_09.9A01.C12.o1.gs	Method	GENSCAN
Start	72	End	149
GI	none	Score	.96
Exons	72..149		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24331	Strand	+
Start	3026	End	3708
Name	OJ990730_09.9A01.C12.o2.gs	Method	GENSCAN
Start	3026	End	3708
GI	none	Score	.96
Exons	3026..3132, 3137..3399, 3407..3708		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24332	Strand	+
Start	11380	End	16698
Name	OJ990730_09.9A01.C12.o1.np	Method	AAT/NAP
Start	11337	End	16698
GI	4680179	Score	2119
Exons	11337..12390, 12418..13475, 16577..16698		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24332	Strand	+
Start	11380	End	16698
Name	OJ990730_09.9A01.C12.o5.gs	Method	GENSCAN
Start	11380	End	14697
GI	none	Score	.88
Exons	11380..11726, 11751..11928, 12025..13589, 13699..13872, 13969..14079, 14164..14236, 14331..14429, 14509..14697		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24333	Strand	+
Start	22707	End	31631
Name	OJ990730_09.9A01.C12.o8.gs	Method	GENSCAN
Start	22707	End	25016
GI	none	Score	.86
Exons	22707..22840, 23988..24065, 24296..24419, 24891..25016		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24333	Strand	+
Start	22707	End	31631
Name	OJ990730_09.9A01.C12.o4.np	Method	AAT/NAP
Start	24399	End	25925
GI	5852179	Score	330
Exons	24399..24419, 25408..25609, 25684..25925		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24333	Strand	+
Start	22707	End	31631
Name	OJ990730_09.9A01.C12.o9.gs	Method	GENSCAN
Start	25513	End	30928
GI	none	Score	.59
Exons	25513..25925, 26058..26311, 27986..28333, 28376..28452,		

28744..28878, 28975..29805, 29885..30194, 30303..30502, 30593..30928

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24333	Strand	+
Start	22707	End	31631
Name	OJ990730_09.9A01.C12.o5.np	Method	AAT/NAP
Start	26242	End	30907
GI	4680203	Score	2786
Exons	26242..26262, 27992..29313, 29467..29697, 29930..30907		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24333	Strand	+
Start	22707	End	31631
Name	OJ990730_09.9A01.C12.o6.gp	Method	AAT/GAP
Start	27999	End	31631
GI	342_1.R1084	Score	6191
Exons	27999..31631		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24334	Strand	-
Start	4175	End	7833
Name	OJ990730_09.9A01.C12.o3.gs	Method	GENSCAN
Start	4175	End	7833
GI	none	Score	.78
Exons	4175..4215, 4675..5220, 5295..5486, 6485..6609, 7138..7380, 7411..7722, 7727..7833		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24335	Strand	-
Start	8559	End	9896
Name	OJ990730_09.9A01.C12.o4.gs	Method	GENSCAN
Start	8559	End	9896
GI	none	Score	.99
Exons	8559..8866, 9020..9257, 9365..9562, 9575..9702, 9764..9896		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24336	Strand	-
Start	14078	End	17456
Name	OJ990730_09.9A01.C12.o3.np	Method	AAT/NAP
Start	14078	End	17456
GI	5911167	Score	153
Exons	14078..14146, 17205..17456		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24336	Strand	-
Start	14078	End	17456
Name	OJ990730_09.9A01.C12.o2.gp	Method	AAT/GAP
Start	14922	End	15068
GI	21474_1.R1084	Score	217
Exons	14922..15068		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24336	Strand	-
Start	14078	End	17456
Name	OJ990730_09.9A01.C12.o6.gs	Method	GENSCAN
Start	15933	End	17266
GI	none	Score	.64
Exons	15933..16004, 16801..17007, 17108..17266		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24336	Strand	-
Start	14078	End	17456
Name	OJ990730_09.9A01.C12.o3.gp	Method	AAT/GAP
Start	16297	End	16680
GI	2311431	Score	724
Exons	16297..16680		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24337	Strand	-
Start	18284	End	22255
Name	OJ990730_09.9A01.C12.o7.gs	Method	GENSCAN
Start	18284	End	22255
GI	none	Score	.55
Exons	18284..18841, 21367..21512, 21945..22043, 22063..22255		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24338	Strand	-
Start	23503	End	23777
Name	OJ990730_09.9A01.C12.o4.gp	Method	AAT/GAP
Start	23503	End	23777
GI	61605_1.R1084	Score	460
Exons	23503..23777		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24339	Strand	-
Start	27994	End	31631
Name	OJ990730_09.9A01.C12.o7.gp	Method	AAT/GAP
Start	27994	End	31631
GI	342_1.R1084	Score	6187
Exons	27994..31631		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o8.tw	Method	TBLASTX:Wheat
Start	11414	End	11739
GI	none	Score	213
Exons	11414..11434, 11541..11738, 11542..11739		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o3.tm	Method	TBLASTX:Maize

Start	11791	End	12129
GI	none	Score	243
Exons	11791..12129, 11791..12027		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o6.tw	Method	TBLASTX:Wheat
Start	11791	End	12141
GI	none	Score	305
Exons	11791..12141		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o7.tw	Method	TBLASTX:Wheat
Start	12475	End	12828
GI	none	Score	246
Exons	12475..12828		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o5.tm	Method	TBLASTX:Maize
Start	12832	End	13029
GI	none	Score	196
Exons	12832..13029, 12870..12977		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o2.tw	Method	TBLASTX:Wheat
Start	12960	End	13443
GI	none	Score	535
Exons	12960..13400, 12961..13443, 12985..13440		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o2.ts	Method	TBLASTX:Soybean
Start	12997	End	13311
GI	none	Score	198
Exons	12997..13311		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	13030	End	13461
GI	none	Score	356
Exons	13030..13461		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o5.tw	Method	TBLASTX:Wheat
Start	27994	End	28332

GI	none	Score	76
Exons	27994..28098, 28007..28300, 28016..28084, 28081..28332, 28082..28318, 28089..28331		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	28264	End	28700
GI	none	Score	92
Exons	28264..28338, 28423..28692, 28428..28700		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o2.tc	Method	TBLASTX:Cress
Start	28431	End	28773
GI	none	Score	276
Exons	28431..28577, 28432..28773, 28626..28769		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o3.tw	Method	TBLASTX:Wheat
Start	28561	End	29030
GI	none	Score	73
Exons	28561..28617, 28569..28613, 28614..28715, 28615..28719, 28723..28821, 28728..28820, 28731..28823, 28801..29025, 28821..29030, 28823..29026, 28824..29030		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o2.tm	Method	TBLASTX:Maize
Start	28608	End	29064
GI	none	Score	218
Exons	28608..28859, 28618..28860, 28870..29064		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o4.tw	Method	TBLASTX:Wheat
Start	29169	End	29574
GI	none	Score	87
Exons	29169..29219, 29170..29232, 29218..29460, 29238..29420, 29479..29574, 29493..29573		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o4.tm	Method	TBLASTX:Maize
Start	29494	End	29926
GI	none	Score	193
Exons	29494..29859, 29861..29926		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-

Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o1.tw	Method	TBLASTX:Wheat
Start	29575	End	30853
GI	none	Score	172
Exons	29575..29760, 29580..29855, 29580..29855, 29581..29862, 29862..29975, 29864..30025, 29869..30165, 29870..30454, 30122..30439, 30447..30488, 30449..30493, 30452..30493, 30496..30591, 30500..30559, 30565..30678, 30566..30667, 30568..30687, 30569..30685, 30691..30741, 30692..30772, 30761..30853, 30787..30852		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o1.tc	Method	TBLASTX:Cress
Start	29862	End	30271
GI	none	Score	78
Exons	29862..29975, 29864..30025, 29869..30246, 29869..30165, 29870..30271, 30122..30271		

Seq. No.	11479	Seq. ID	OJ990730_09.9A01.C12
Gene No.	24340	Strand	-
Start	31690	End	31818
Name	OJ990730_09.9A01.C12.o10.gs	Method	GENSCAN
Start	31690	End	31818
GI	none	Score	.97
Exons	31690..31818		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593
Name	OJ990830_07.9A25.C1.o1.np	Method	AAT/NAP
Start	1	End	1569
GI	6630685	Score	1670
Exons	1..1569		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593
Name	OJ990830_07.9A25.C1.o1.ts	Method	TBLASTX:Soybean
Start	13	End	542
GI	5509260	Score	144
Exons	13..147, 14..148, 68..148, 108..542, 145..540		
GI Descrip.	-		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593
Name	OJ990830_07.9A25.C1.o1.tw	Method	TBLASTX:Wheat
Start	58	End	525
GI	none	Score	82
Exons	58..159, 59..157, 181..525, 198..326, 357..524		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+

Start	1	End	1593
Name	OJ990830_07.9A25.C1.o2.tc	Method	TBLASTX:Cress
Start	157	End	423
GI	none	Score	249
Exons	157..423, 162..422		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593
Name	OJ990830_07.9A25.C1.o1.gs	Method	GENSCAN
Start	197	End	1572
GI	none	Score	.89
Exons	197..1572		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593
Name	OJ990830_07.9A25.C1.o2.tm	Method	TBLASTX:Maize
Start	204	End	651
GI	none	Score	523
Exons	204..641, 205..651, 346..642		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593
Name	OJ990830_07.9A25.C1.o3.ts	Method	TBLASTX:Soybean
Start	684	End	912
GI	none	Score	190
Exons	684..851, 688..912		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593
Name	OJ990830_07.9A25.C1.o2.tw	Method	TBLASTX:Wheat
Start	712	End	1128
GI	none	Score	103
Exons	712..864, 892..1128, 903..1127		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593
Name	OJ990830_07.9A25.C1.o1.tc	Method	TBLASTX:Cress
Start	892	End	1551
GI	none	Score	116
Exons	892..1065, 904..1074, 1186..1320, 1338..1457, 1339..1551		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593
Name	OJ990830_07.9A25.C1.o1.tm	Method	TBLASTX:Maize
Start	895	End	1551
GI	none	Score	738
Exons	895..1551, 903..1550		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593

Name	OJ990830_07.9A25.C1.o2.ts	Method	TBLASTX:Soybean
Start	913	End	1593
GI	none	Score	289
Exons	913..1302, 1107..1259, 1330..1593, 1335..1496		

Seq. No.	11480	Seq. ID	OJ990830_07.9A25.C1
Gene No.	24341	Strand	+
Start	1	End	1593
Name	OJ990830_07.9A25.C1.o3.tw	Method	TBLASTX:Wheat
Start	1138	End	1524
GI	none	Score	113
Exons	1138..1311, 1185..1253, 1330..1524, 1333..1437, 1335..1511		

Seq. No.	11481	Seq. ID	OJ990830_07.9A25.C2
Gene No.	24342	Strand	+
Start	5034	End	5889
Name	OJ990830_07.9A25.C2.o2.gs	Method	GENSCAN
Start	5034	End	5889
GI	none	Score	.59
Exons	5034..5193, 5781..5889		

Seq. No.	11482	Seq. ID	OJ990830_07.9A25.C3
Gene No.	24343	Strand	+
Start	227	End	1199
Name	OJ990830_07.9A25.C3.o1.np	Method	AAT/NAP
Start	227	End	1199
GI	3645899	Score	626
Exons	227..1199		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	11482	Seq. ID	OJ990830_07.9A25.C3
Gene No.	24343	Strand	+
Start	227	End	1199
Name	OJ990830_07.9A25.C3.o1.gs	Method	GENSCAN
Start	291	End	1145
GI	none	Score	.53
Exons	291..1145		

Seq. No.	11482	Seq. ID	OJ990830_07.9A25.C3
Gene No.	24343	Strand	+
Start	227	End	1199
Name	OJ990830_07.9A25.C3.o1.tw	Method	TBLASTX:Wheat
Start	651	End	1199
GI	none	Score	151
Exons	651..887, 657..869, 924..1199, 927..1199		

Seq. No.	11482	Seq. ID	OJ990830_07.9A25.C3
Gene No.	24343	Strand	+
Start	227	End	1199
Name	OJ990830_07.9A25.C3.o1.tm	Method	TBLASTX:Maize
Start	780	End	1196
GI	none	Score	362
Exons	780..1196, 816..968, 1040..1195		

Seq. No.	11483	Seq. ID	OJ990830_07.9A25.C11
Gene No.	24344	Strand	+
Start	1	End	87

Name	OJ990830_07.9A25.C11.o1.gp	Method	AAT/GAP
Start	1	End	87
GI	LIB3431-028-P1-N1-A10	Score	162
Exons	1..87		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	11483	Seq. ID	OJ990830_07.9A25.C11
Gene No.	24345	Strand	-
Start	108	End	1749
Name	OJ990830_07.9A25.C11.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1080
GI	none	Score	83
Exons	1..96, 3..95, 43..138, 75..134, 141..182, 141..185, 146..187, 180..632, 195..890, 196..1080, 370..1065, 678..1073		

Seq. No.	11483	Seq. ID	OJ990830_07.9A25.C11
Gene No.	24345	Strand	-
Start	108	End	1749
Name	OJ990830_07.9A25.C11.o1.gs	Method	GENSCAN
Start	108	End	1595
GI	none	Score	.59
Exons	108..799, 1127..1595		

Seq. No.	11483	Seq. ID	OJ990830_07.9A25.C11
Gene No.	24345	Strand	-
Start	108	End	1749
Name	OJ990830_07.9A25.C11.o1.np	Method	AAT/NAP
Start	265	End	1749
GI	6742729	Score	2282
Exons	265..1749		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	11483	Seq. ID	OJ990830_07.9A25.C11
Gene No.	24345	Strand	-
Start	108	End	1749
Name	OJ990830_07.9A25.C11.o1.tc	Method	TBLASTX:Cress
Start	363	End	810
GI	none	Score	196
Exons	363..806, 363..806, 367..810, 370..810		

Seq. No.	11483	Seq. ID	OJ990830_07.9A25.C11
Gene No.	24345	Strand	-
Start	108	End	1749
Name	OJ990830_07.9A25.C11.o1.tm	Method	TBLASTX:Maize
Start	741	End	1055
GI	none	Score	116
Exons	741..1055, 769..1044		

Seq. No.	11483	Seq. ID	OJ990830_07.9A25.C11
Gene No.	24345	Strand	-
Start	108	End	1749
Name	OJ990830_07.9A25.C11.o2.tw	Method	TBLASTX:Wheat
Start	1080	End	1485
GI	none	Score	78
Exons	1080..1160, 1081..1161, 1081..1164, 1086..1166, 1088..1165, 1194..1436, 1234..1416, 1422..1484, 1435..1485		

Seq. No.	11483	Seq. ID	OJ990830_07.9A25.C11
Gene No.	24345	Strand	-
Start	108	End	1749
Name	OJ990830_07.9A25.C11.o1.ts	Method	TBLASTX:Soybean
Start	1518	End	1742
GI	none	Score	189
Exons	1518..1742		

Seq. No.	11484	Seq. ID	OJ990830_07.9A25.C12
Gene No.	24346	Strand	-
Start	1	End	4218
Name	OJ990830_07.9A25.C12.o1.np	Method	AAT/NAP
Start	1	End	1806
GI	4680203	Score	436
Exons	1..541, 1755..1806		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	11484	Seq. ID	OJ990830_07.9A25.C12
Gene No.	24346	Strand	-
Start	1	End	4218
Name	OJ990830_07.9A25.C12.o1.gs	Method	GENSCAN
Start	64	End	4218
GI	none	Score	.4
Exons	64..552, 2728..2728, 3958..4080, 4112..4218		

Seq. No.	11485	Seq. ID	OJ990830_07.9A25.C13
Gene No.	24347	Strand	+
Start	1270	End	2045
Name	OJ990830_07.9A25.C13.o1.gs	Method	GENSCAN
Start	1270	End	2045
GI	none	Score	.92
Exons	1270..1319, 1674..2045		

Seq. No.	11486	Seq. ID	OJ990830_07.9A25.C14
Gene No.	24348	Strand	
Start	303	End	734
Name	OJ990830_07.9A25.C14.o1.tm	Method	TBLASTX:Maize
Start	303	End	641
GI	none	Score	38
Exons	303..335, 318..542, 549..641		

Seq. No.	11486	Seq. ID	OJ990830_07.9A25.C14
Gene No.	24348	Strand	
Start	303	End	734
Name	OJ990830_07.9A25.C14.o1.tw	Method	TBLASTX:Wheat
Start	372	End	734
GI	none	Score	266
Exons	372..734, 567..710		

Seq. No.	11487	Seq. ID	OJ990830_07.9A25.C16
Gene No.	24349	Strand	-
Start	413	End	1972
Name	OJ990830_07.9A25.C16.o1.gs	Method	GENSCAN
Start	413	End	1972
GI	none	Score	.63
Exons	413..1483, 1692..1788, 1857..1972		

Seq. No.	11488	Seq. ID	OJ990830_07.9A25.C17
Gene No.	24350	Strand	+
Start	1	End	1447
Name	OJ990830_07.9A25.C17.o1.np	Method	AAT/NAP
Start	1	End	1123
GI	5852172	Score	110
Exons	1..21, 989..1123		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	11488	Seq. ID	OJ990830_07.9A25.C17
Gene No.	24350	Strand	+
Start	1	End	1447
Name	OJ990830_07.9A25.C17.o2.gs	Method	GENSCAN
Start	1018	End	1447
GI	none	Score	.95
Exons	1018..1117, 1320..1447		

Seq. No.	11488	Seq. ID	OJ990830_07.9A25.C17
Gene No.	24351	Strand	-
Start	22	End	582
Name	OJ990830_07.9A25.C17.o1.gs	Method	GENSCAN
Start	22	End	582
GI	none	Score	.78
Exons	22..582		

Seq. No.	11488	Seq. ID	OJ990830_07.9A25.C17
Gene No.	24352	Strand	-
Start	972	End	1231
Name	OJ990830_07.9A25.C17.o1.gp	Method	AAT/GAP
Start	972	End	1231
GI	427610	Score	370
Exons	972..1231		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	11489	Seq. ID	OJ990830_07.9A25.C18
Gene No.	24353	Strand	+
Start	2539	End	8549
Name	OJ990830_07.9A25.C18.o1.np	Method	AAT/NAP
Start	2539	End	8549
GI	4680207	Score	420
Exons	2539..2558, 5618..6658, 8503..8549		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	11489	Seq. ID	OJ990830_07.9A25.C18
Gene No.	24353	Strand	+
Start	2539	End	8549
Name	OJ990830_07.9A25.C18.o2.gs	Method	GENSCAN
Start	4387	End	7384
GI	none	Score	.94
Exons	4387..4697, 4720..5033, 5081..5213, 5437..7384		

Seq. No.	11490	Seq. ID	OJ990830_07.9A25.C19
Gene No.	24354	Strand	-
Start	300	End	458

Name	OJ990830_07.9A25.C19.o1.gs	Method	GENSCAN
Start	300	End	458
GI	none	Score	.95
Exons	300..458		

Seq. No.	11491	Seq. ID	OJ990830_07.9A25.C21
Gene No.	24355	Strand	-
Start	391	End	511
Name	OJ990830_07.9A25.C21.o1.np	Method	AAT/NAP
Start	391	End	511
GI	6598841	Score	84
Exons	391..511		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	11492	Seq. ID	OJ990830_07.9A25.C26
Gene No.	24356	Strand	-
Start	87	End	468
Name	OJ990830_07.9A25.C26.o1.gs	Method	GENSCAN
Start	87	End	468
GI	none	Score	.85
Exons	87..215, 289..468		

Seq. No.	11493	Seq. ID	OJ990830_07.9A25.C27
Gene No.	24357	Strand	-
Start	1274	End	2579
Name	OJ990830_07.9A25.C27.o1.np	Method	AAT/NAP
Start	1274	End	2579
GI	6815099	Score	94
Exons	1274..1388, 2521..2579		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	11494	Seq. ID	OJ990830_07.9A25.C28
Gene No.	24358	Strand	+
Start	1041	End	1422
Name	OJ990830_07.9A25.C28.o1.gs	Method	GENSCAN
Start	1041	End	1422
GI	none	Score	.98
Exons	1041..1247, 1338..1422		

Seq. No.	11495	Seq. ID	OJ990830_07.9A25.C29
Gene No.	24359	Strand	+
Start	411	End	595
Name	OJ990830_07.9A25.C29.o1.gs	Method	GENSCAN
Start	411	End	595
GI	none	Score	.42
Exons	411..595		

Seq. No.	11496	Seq. ID	OJ990830_07.9A25.C30
Gene No.	24360	Strand	+
Start	1	End	1368
Name	OJ990830_07.9A25.C30.o1.np	Method	AAT/NAP
Start	1	End	1368
GI	4680204	Score	249
Exons	1..69, 165..1305, 1341..1368		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	11496	Seq. ID	OJ990830_07.9A25.C30

Gene No.	24360	Strand	+
Start	1	End	1368
Name	OJ990830_07.9A25.C30.o1.tw	Method	TBLASTX:Wheat
Start	1	End	377
GI	none	Score	67
Exons	1..75, 158..232, 159..377		

Seq. No.	11496	Seq. ID	OJ990830_07.9A25.C30
Gene No.	24360	Strand	+
Start	1	End	1368
Name	OJ990830_07.9A25.C30.o1.gs	Method	GENSCAN
Start	159	End	1261
GI	none	Score	.49
Exons	159..306, 432..574, 576..1261		

Seq. No.	11497	Seq. ID	OJ990830_07.9A25.C31
Gene No.	24361	Strand	+
Start	95	End	455
Name	OJ990830_07.9A25.C31.o1.gs	Method	GENSCAN
Start	95	End	455
GI	none	Score	.85
Exons	95..193, 273..455		

Seq. No.	11498	Seq. ID	OJ990830_07.9A25.C32
Gene No.	24362	Strand	+
Start	1614	End	5016
Name	OJ990830_07.9A25.C32.o1.gs	Method	GENSCAN
Start	1614	End	5016
GI	none	Score	.54
Exons	1614..2608, 3942..4482, 4552..5016		

Seq. No.	11498	Seq. ID	OJ990830_07.9A25.C32
Gene No.	24362	Strand	+
Start	1614	End	5016
Name	OJ990830_07.9A25.C32.o1.tm	Method	TBLASTX:Maize
Start	1908	End	4404
GI	none	Score	36
Exons	1908..1946, 1952..2029, 2025..2111, 2229..2264, 4026..4124, 4026..4124, 4027..4125, 4027..4167, 4064..4180, 4117..4257, 4312..4404		

Seq. No.	11498	Seq. ID	OJ990830_07.9A25.C32
Gene No.	24362	Strand	+
Start	1614	End	5016
Name	OJ990830_07.9A25.C32.o1.np	Method	AAT/NAP
Start	4012	End	4710
GI	4678202	Score	152
Exons	4012..4255, 4307..4402, 4559..4710		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11499	Seq. ID	OJ990830_07.9A25.C33
Gene No.	24363	Strand	+
Start	2222	End	2357
Name	OJ990830_07.9A25.C33.o1.gs	Method	GENSCAN
Start	2222	End	2357
GI	none	Score	.47
Exons	2222..2357		

Seq. No.	11500	Seq. ID	OJ990830_07.9A25.C34
Gene No.	24364	Strand	-
Start	55	End	437
Name	OJ990830_07.9A25.C34.o1.gs	Method	GENSCAN
Start	55	End	437
GI	none	Score	.42
Exons	55..228, 269..437		

Seq. No.	11501	Seq. ID	OJ990830_07.9A25.C36
Gene No.	24365	Strand	-
Start	1	End	383
Name	OJ990830_07.9A25.C36.o1.np	Method	AAT/NAP
Start	1	End	383
GI	6069659	Score	114
Exons	1..44, 127..165, 210..383		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	11502	Seq. ID	OJ990830_07.9A25.C38
Gene No.	24366	Strand	+
Start	108	End	240
Name	OJ990830_07.9A25.C38.o1.gs	Method	GENSCAN
Start	108	End	240
GI	none	Score	.88
Exons	108..240		

Seq. No.	11503	Seq. ID	OJ990830_07.9A25.C40
Gene No.	24367	Strand	-
Start	648	End	774
Name	OJ990830_07.9A25.C40.o1.gs	Method	GENSCAN
Start	648	End	774
GI	none	Score	.5
Exons	648..664, 726..774		

Seq. No.	11504	Seq. ID	OJ990830_07.9A25.C42
Gene No.	24368	Strand	-
Start	1	End	1265
Name	OJ990830_07.9A25.C42.o1.np	Method	AAT/NAP
Start	1	End	1265
GI	4263655	Score	128
Exons	1..320, 1244..1265		
GI Descrip.	(AC006136) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	11504	Seq. ID	OJ990830_07.9A25.C42
Gene No.	24368	Strand	-
Start	1	End	1265
Name	OJ990830_07.9A25.C42.o1.tm	Method	TBLASTX:Maize
Start	3	End	341
GI	none	Score	123
Exons	3..341, 22..231		

Seq. No.	11505	Seq. ID	OJ990830_07.9A25.C43
Gene No.	24369	Strand	+
Start	221	End	2273
Name	OJ990830_07.9A25.C43.o1.gs	Method	GENSCAN
Start	221	End	1825

GI	none	Score	.66
Exons	221..332, 419..472, 964..1144, 1233..1288, 1732..1825		

Seq. No.	11505	Seq. ID	OJ990830_07.9A25.C43
Gene No.	24369	Strand	+
Start	221	End	2273
Name	OJ990830_07.9A25.C43.o1.np	Method	AAT/NAP
Start	1648	End	2273
GI	6539588	Score	234
Exons	1648..1977, 2235..2273		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	11506	Seq. ID	OJ990830_07.9A25.C44
Gene No.	24370	Strand	+
Start	209	End	1657
Name	OJ990830_07.9A25.C44.o1.gs	Method	GENSCAN
Start	209	End	1657
GI	none	Score	.83
Exons	209..533, 783..1129, 1301..1457, 1602..1657		

Seq. No.	11506	Seq. ID	OJ990830_07.9A25.C44
Gene No.	24371	Strand	+
Start	2875	End	4164
Name	OJ990830_07.9A25.C44.o1.np	Method	AAT/NAP
Start	2875	End	4164
GI	6539588	Score	170
Exons	2875..3183, 4032..4164		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	11507	Seq. ID	OJ990820_02.9A21.C2
Gene No.	24372	Strand	-
Start	1	End	561
Name	OJ990820_02.9A21.C2.o1.np	Method	AAT/NAP
Start	1	End	459
GI	6457687	Score	196
Exons	1..164, 264..459		
GI Descrip.	(AE001866) aminotransferase, putative [Deinococcus radiodurans]		

Seq. No.	11507	Seq. ID	OJ990820_02.9A21.C2
Gene No.	24372	Strand	-
Start	1	End	561
Name	OJ990820_02.9A21.C2.o1.gs	Method	GENSCAN
Start	13	End	561
GI	none	Score	.45
Exons	13..561		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24373	Strand	-
Start	417	End	1518
Name	OJ990820_02.9A21.C3.o1.gs	Method	GENSCAN
Start	417	End	1518
GI	none	Score	.42
Exons	417..1518		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371

Name	OJ990820_02.9A21.C3.o1.tw	Method	TBLASTX:Wheat
Start	282	End	7140
GI	none	Score	50
Exons	282..365, 284..319, 286..375, 364..483, 364..531, 368..532, 395..532, 505..612, 506..607, 6754..6918, 6754..6927, 6824..6934, 6917..7135, 6920..7132, 6922..7140, 7024..7134		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o3.ts	Method	TBLASTX:Soybean
Start	382	End	7134
GI	none	Score	87
Exons	382..531, 395..532, 505..612, 625..735, 6940..7134		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o1.tc	Method	TBLASTX:Cress
Start	406	End	7833
GI	none	Score	108
Exons	406..525, 535..660, 979..1065, 1198..1311, 5608..5841, 5612..5806, 5878..6411, 5882..6412, 6404..6484, 6781..6921, 6958..7170, 7460..7591, 7501..7587, 7720..7833		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o2.ts	Method	TBLASTX:Soybean
Start	892	End	7821
GI	none	Score	100
Exons	892..1026, 899..1024, 1030..1116, 1207..1299, 1354..1407, 1414..1452, 7411..7548, 7421..7546, 7552..7638, 7729..7821		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o2.gs	Method	GENSCAN
Start	2992	End	12538
GI	none	Score	.68
Exons	2992..3065, 3358..3542, 3761..3895, 4295..4408, 5600..7941, 8284..8389, 8768..8921, 9629..9824, 10234..11292, 12210..12538		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o1.np	Method	AAT/NAP
Start	4610	End	8034
GI	3445397	Score	1633
Exons	4610..4727, 5600..7714, 7743..8034		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o2.np	Method	AAT/NAP
Start	5511	End	8052

GI	2662048	Score	709
Exons	5511..7836, 7873..8052		
GI Descrip.	(AB000970) receptor kinase 1 [Brassica rapa]		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o1.tm	Method	TBLASTX:Maize
Start	5617	End	6216
GI	none	Score	180
Exons	5617..5841, 5627..5839, 5881..6204, 5881..6216, 5882..6205		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o1.ts	Method	TBLASTX:Soybean
Start	5641	End	12551
GI	none	Score	181
Exons	5641..5766, 5881..6387, 5891..6316, 6022..6372, 6386..6460, 6389..6451, 6437..6523, 6466..6519, 12456..12551		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o2.tw	Method	TBLASTX:Wheat
Start	5938	End	6352
GI	none	Score	123
Exons	5938..5997, 6001..6204, 6032..6217, 6199..6351, 6239..6352		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o2.tm	Method	TBLASTX:Maize
Start	6220	End	6520
GI	none	Score	127
Exons	6220..6396, 6220..6411, 6224..6409, 6395..6520, 6463..6519		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o3.np	Method	AAT/NAP
Start	8883	End	11141
GI	4755199	Score	87
Exons	8883..8921, 10963..11141		
GI Descrip.	(AC007018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-
Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o4.np	Method	AAT/NAP
Start	12183	End	14371
GI	2586083	Score	117
Exons	12183..12553, 14325..14371		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	11508	Seq. ID	OJ990820_02.9A21.C3
Gene No.	24374	Strand	-

Start	2992	End	14371
Name	OJ990820_02.9A21.C3.o3.tm	Method	TBLASTX:Maize
Start	12231	End	12542
GI	none	Score	70
Exons	12231..12299, 12234..12299, 12310..12420, 12315..12422, 12418..12540, 12422..12538, 12423..12539, 12429..12542		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o1.np	Method	AAT/NAP
Start	962	End	4523
GI	2586083	Score	1103
Exons	962..1023, 2283..4523		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o1.gs	Method	GENSCAN
Start	999	End	4440
GI	none	Score	.41
Exons	999..1058, 2197..2237, 2283..4440		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o3.tm	Method	TBLASTX:Maize
Start	2282	End	2410
GI	none	Score	92
Exons	2282..2407, 2283..2408, 2284..2409, 2285..2410		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o1.ts	Method	TBLASTX:Soybean
Start	2314	End	2829
GI	none	Score	126
Exons	2314..2517, 2348..2506, 2362..2517, 2551..2604, 2590..2829, 2591..2824		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o2.tc	Method	TBLASTX:Cress
Start	2350	End	2847
GI	none	Score	69
Exons	2350..2424, 2351..2494, 2470..2739, 2740..2847		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o2.tw	Method	TBLASTX:Wheat
Start	2470	End	2892
GI	none	Score	184
Exons	2470..2892		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o2.tm	Method	TBLASTX:Maize
Start	2581	End	2838
GI	none	Score	214
Exons	2581..2838, 2582..2824, 2700..2831		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o2.np	Method	AAT/NAP
Start	3032	End	4326
GI	4115376	Score	324
Exons	3032..4326		
GI Descrip.	(AC005967) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o1.tm	Method	TBLASTX:Maize
Start	3043	End	4518
GI	none	Score	82
Exons	3043..3177, 3053..3334, 3067..3177, 3094..3276, 3097..3636, 3238..3768, 3238..3579, 3238..3708, 3241..3765, 3259..3765, 3403..3768, 3475..3789, 3898..4302, 3898..4161, 3898..4293, 3899..4060, 3904..4239, 3913..4314, 4357..4518, 4357..4518, 4357..4518		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o2.ts	Method	TBLASTX:Soybean
Start	3043	End	4518
GI	none	Score	69
Exons	3043..3177, 3094..3177, 3094..3177, 3095..3250, 3095..3334, 3167..3346, 3238..3765, 3238..3654, 3238..3765, 3241..3765, 3313..3768, 3377..3472, 3383..3610, 3452..3559, 3607..3789, 3616..3705, 3883..4302, 3898..4236, 3899..4060, 3904..4302, 3904..4302, 3904..4167, 3904..4026, 4327..4359, 4357..4518, 4357..4518, 4357..4518, 4420..4518		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o1.tc	Method	TBLASTX:Cress
Start	3068	End	4518
GI	none	Score	63
Exons	3068..3271, 3071..3226, 3073..3177, 3091..3285, 3238..3366, 3238..3507, 3238..3576, 3376..3723, 3379..3528, 3382..3510, 3454..3837, 3454..3582, 3455..3724, 3598..3732, 3667..3885, 3670..3735, 3709..3879, 3952..4095, 3967..4296, 4039..4170, 4357..4518, 4357..4482, 4405..4518		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-

Start	999	End	4523
Name	OJ990820_02.9A21.C5.o1.tw	Method	TBLASTX:Wheat
Start	3238	End	4506
GI	none	Score	57
Exons	3238..3429, 3331..3576, 3445..3636, 3455..3616, 3547..3894, 3904..4032, 3913..4158, 4162..4260, 4381..4506		

Seq. No.	11509	Seq. ID	OJ990820_02.9A21.C5
Gene No.	24375	Strand	-
Start	999	End	4523
Name	OJ990820_02.9A21.C5.o1.gp	Method	AAT/GAP
Start	3256	End	3672
GI	LIB3432-025-P1-K1-C7	Score	778
Exons	3256..3672		
GI Descrip.	'1184075 5.0e-26 (U42444) Cf-2.1 [Lycopersicon pimpinellifolium] >gi_1587673_prf__2207203A Cf-2 gene [Lycopersicon esculentum]'		

Seq. No.	11510	Seq. ID	OJ990820_02.9A21.C6
Gene No.	24376	Strand	-
Start	1	End	544
Name	OJ990820_02.9A21.C6.o1.np	Method	AAT/NAP
Start	1	End	544
GI	6522540	Score	260
Exons	1..544		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	11510	Seq. ID	OJ990820_02.9A21.C6
Gene No.	24376	Strand	-
Start	1	End	544
Name	OJ990820_02.9A21.C6.o1.tc	Method	TBLASTX:Cress
Start	65	End	484
GI	none	Score	66
Exons	65..283, 65..214, 74..337, 191..328, 359..484		

Seq. No.	11510	Seq. ID	OJ990820_02.9A21.C6
Gene No.	24376	Strand	-
Start	1	End	544
Name	OJ990820_02.9A21.C6.o1.tw	Method	TBLASTX:Wheat
Start	65	End	484
GI	none	Score	71
Exons	65..337, 65..196, 161..328, 362..484		

Seq. No.	11510	Seq. ID	OJ990820_02.9A21.C6
Gene No.	24376	Strand	-
Start	1	End	544
Name	OJ990820_02.9A21.C6.o1.ts	Method	TBLASTX:Soybean
Start	65	End	472
GI	none	Score	68
Exons	65..337, 74..322, 146..328, 359..472		

Seq. No.	11510	Seq. ID	OJ990820_02.9A21.C6
Gene No.	24376	Strand	-
Start	1	End	544
Name	OJ990820_02.9A21.C6.o1.tm	Method	TBLASTX:Maize
Start	65	End	472
GI	none	Score	61
Exons	65..166, 74..337, 359..472		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24377	Strand	+
Start	1224	End	1646
Name	OJ990820_02.9A21.C7.o1.gp	Method	AAT/GAP
Start	1224	End	1646
GI	none	Score	811
Exons	1224..1646		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24378	Strand	+
Start	14255	End	17051
Name	OJ990820_02.9A21.C7.o3.gs	Method	GENSCAN
Start	14255	End	17051
GI	none	Score	.64
Exons	14255..14559, 14625..14832, 15386..15413, 15574..15709, 16003..16208, 17038..17051		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24379	Strand	+
Start	18136	End	18420
Name	OJ990820_02.9A21.C7.o4.gs	Method	GENSCAN
Start	18136	End	18420
GI	none	Score	.51
Exons	18136..18420		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24380	Strand	-
Start	2809	End	12850
Name	OJ990820_02.9A21.C7.o2.gs	Method	GENSCAN
Start	2809	End	12850
GI	none	Score	.67
Exons	2809..3086, 3648..3876, 4317..5045, 8203..9169, 9292..9478, 10885..11074, 11499..12543, 12615..12728, 12801..12850		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24380	Strand	-
Start	2809	End	12850
Name	OJ990820_02.9A21.C7.o2.gp	Method	AAT/GAP
Start	9896	End	11281
GI	4715984	Score	1032
Exons	9896..10160, 10885..11074, 11155..11281		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24381	Strand	-
Start	15632	End	20538
Name	OJ990820_02.9A21.C7.o1.np	Method	AAT/NAP
Start	15632	End	20538
GI	6539553	Score	3210
Exons	15632..17620, 20485..20538		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24382	Strand	-

Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o3.tm	Method	TBLASTX:Maize
Start	8848	End	23350
GI	none	Score	170
Exons	8848..9030, 8851..9084, 9087..9143, 12363..12536, 12367..12483, 12542..12589, 12543..12575, 23219..23350, 23222..23341		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24382	Strand	-
Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o2.tw	Method	TBLASTX:Wheat
Start	15768	End	16244
GI	none	Score	375
Exons	15768..16154, 15802..16152, 15806..16153, 15847..16167, 16169..16243, 16173..16244		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24382	Strand	-
Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o3.ts	Method	TBLASTX:Soybean
Start	15896	End	16237
GI	none	Score	89
Exons	15896..16105, 15975..16100, 16124..16237, 16131..16211		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24382	Strand	-
Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o2.tm	Method	TBLASTX:Maize
Start	16100	End	16439
GI	none	Score	200
Exons	16100..16438, 16101..16439		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24382	Strand	-
Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o2.ts	Method	TBLASTX:Soybean
Start	16250	End	16595
GI	none	Score	105
Exons	16250..16594, 16395..16595		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24382	Strand	-
Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o3.tw	Method	TBLASTX:Wheat
Start	16448	End	16993
GI	none	Score	285
Exons	16448..16657, 16649..16993		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24382	Strand	-
Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o1.tm	Method	TBLASTX:Maize
Start	16529	End	16993
GI	none	Score	315
Exons	16529..16993		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7

Gene No.	24382	Strand	-
Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o1.ts	Method	TBLASTX:Soybean
Start	16664	End	17128
GI	5509260	Score	54
Exons	16664..17128, 16683..16736, 16809..16910, 16959..17027		
GI Descrip.	-		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24382	Strand	-
Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o1.tc	Method	TBLASTX:Cress
Start	16775	End	17035
GI	none	Score	256
Exons	16775..17035		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24382	Strand	-
Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o1.tw	Method	TBLASTX:Wheat
Start	17048	End	17620
GI	none	Score	207
Exons	17048..17284, 17048..17257, 17065..17295, 17301..17381, 17356..17616, 17358..17609, 17360..17620		

Seq. No.	11511	Seq. ID	OJ990820_02.9A21.C7
Gene No.	24382	Strand	-
Start	22324	End	23350
Name	OJ990820_02.9A21.C7.o5.gs	Method	GENSCAN
Start	22324	End	23251
GI	none	Score	.65
Exons	22324..22455, 22563..22744, 22831..23251		

Seq. No.	11512	Seq. ID	OJ990820_02.9A21.C8
Gene No.	24383	Strand	-
Start	2783	End	6132
Name	OJ990820_02.9A21.C8.o1.gs	Method	GENSCAN
Start	2783	End	6132
GI	none	Score	.94
Exons	2783..2799, 4296..4449, 4561..4722, 4901..5919, 6057..6132		

Seq. No.	11512	Seq. ID	OJ990820_02.9A21.C8
Gene No.	24383	Strand	-
Start	2783	End	6132
Name	OJ990820_02.9A21.C8.o1.np	Method	AAT/NAP
Start	5557	End	5812
GI	6505722	Score	95
Exons	5557..5812		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	11512	Seq. ID	OJ990820_02.9A21.C8
Gene No.	24383	Strand	-
Start	2783	End	6132
Name	OJ990820_02.9A21.C8.o1.tm	Method	TBLASTX:Maize
Start	5573	End	5802

GI	none	Score	127
Exons	5573..5719, 5574..5720, 5580..5720, 5757..5801, 5758..5802		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24384	Strand	+
Start	28	End	585
Name	OJ990820_02.9A21.C9.o1.gs	Method	GENSCAN
Start	28	End	585
GI	none	Score	.53
Exons	28..120, 208..434, 534..585		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24385	Strand	+
Start	11987	End	16770
Name	OJ990820_02.9A21.C9.o1.np	Method	AAT/NAP
Start	11877	End	16770
GI	5295971	Score	1596
Exons	11877..12335, 13687..16770		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24385	Strand	+
Start	11987	End	16770
Name	OJ990820_02.9A21.C9.o4.gs	Method	GENSCAN
Start	11987	End	15222
GI	none	Score	.58
Exons	11987..12579, 12865..13065, 13782..14292, 14307..14371, 14633..14921, 15022..15222		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24386	Strand	+
Start	35304	End	36282
Name	OJ990820_02.9A21.C9.o7.gs	Method	GENSCAN
Start	35304	End	36282
GI	none	Score	.96
Exons	35304..35333, 36085..36282		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24387	Strand	-
Start	1992	End	3618
Name	OJ990820_02.9A21.C9.o2.gs	Method	GENSCAN
Start	1992	End	3618
GI	none	Score	.73
Exons	1992..2008, 2905..3058, 3421..3618		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24388	Strand	-
Start	15667	End	27299
Name	OJ990820_02.9A21.C9.o5.gs	Method	GENSCAN
Start	15667	End	27293
GI	none	Score	.84
Exons	15667..16095, 16219..16340, 16558..16644, 16931..17031, 17143..17186, 17368..17493, 18075..18164, 18355..18438, 19425..19499, 19729..19872, 20609..20662, 20854..20958, 21053..21150, 21637..21706, 22421..22543, 22624..22704,		

22973..23453, 23661..23793, 24046..24082, 24681..24869,
25607..25680, 25739..27293

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24388	Strand	-
Start	15667	End	27299
Name	OJ990820_02.9A21.C9.o1.gp	Method	AAT/GAP
Start	18128	End	20941
GI	23829_1.R1084	Score	1123
Exons	18128..18278, 18355..18438, 19425..19499, 19592..19645, 19729..19872, 20609..20662, 20854..20941		
GI Descrip.	'4519589/dbj|AB017542.1|AB017542 5.0e-29 Oryza sativa tranposable elemet RMu2-IR36 DNA, complete sequence'		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24388	Strand	-
Start	15667	End	27299
Name	OJ990820_02.9A21.C9.o2.np	Method	AAT/NAP
Start	18180	End	27299
GI	4467359	Score	2939
Exons	18180..18278, 18355..18438, 19425..19499, 19592..19645, 19729..19872, 20609..20662, 20854..20958, 21053..21150, 21637..21706, 22421..22534, 22618..22704, 22973..23148, 23177..23450, 23661..23790, 24524..24575, 24681..24848, 25485..25709, 25821..26060, 26097..26153, 26202..27299		
GI Descrip.	(AJ002685) Phosphatidylinositol 4-kinase [Arabidopsis thaliana]		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24388	Strand	-
Start	15667	End	27299
Name	OJ990820_02.9A21.C9.o2.gp	Method	AAT/GAP
Start	22510	End	23463
GI	10981_1.R1084	Score	1126
Exons	22510..22543, 22624..22704, 22973..23463		
GI Descrip.	'4467359/emb|CAB37928| 4.0e-45 (AJ002685) Phosphatidylinositol 4-kinase [Arabidopsis thaliana]'		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24388	Strand	-
Start	15667	End	27299
Name	OJ990820_02.9A21.C9.o3.gp	Method	AAT/GAP
Start	26104	End	26415
GI	LIB3433-029-P1-K1-A3	Score	556
Exons	26104..26415		
GI Descrip.	'4467359/emb|CAB37928| 7.0e-10 (AJ002685) Phosphatidylinositol 4-kinase [Arabidopsis thaliana]'		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24389	Strand	-
Start	27274	End	27731
Name	OJ990820_02.9A21.C9.o4.gp	Method	AAT/GAP
Start	27274	End	27731
GI	2428168	Score	808
Exons	27274..27731		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24390	Strand	-

Start	28969	End	30685
Name	OJ990820_02.9A21.C9.o6.gs	Method	GENSCAN
Start	28969	End	30685
GI	none	Score	.71
Exons	28969..29012, 29751..29852, 30197..30244, 30559..30685		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o8.tm	Method	TBLASTX:Maize
Start	4559	End	16915
GI	none	Score	96
Exons	4559..4681, 4561..4698, 4561..4692, 4747..4785, 4748..4792, 4752..4793, 12084..12278, 12086..12298, 12089..12307, 12304..12330, 16764..16844, 16789..16845, 16874..16915, 16878..16910		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o9.tm	Method	TBLASTX:Maize
Start	5962	End	6249
GI	none	Score	78
Exons	5962..6249, 5987..6160		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o10.tm	Method	TBLASTX:Maize
Start	14759	End	15166
GI	none	Score	140
Exons	14759..14947, 14760..14936, 14933..15166		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o1.tw	Method	TBLASTX:Wheat
Start	14787	End	15226
GI	none	Score	115
Exons	14787..14945, 14801..14935, 14933..15142, 14977..15051, 15100..15147, 15146..15226		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o5.tm	Method	TBLASTX:Maize
Start	15534	End	15942
GI	none	Score	315
Exons	15534..15851, 15535..15867, 15889..15942		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o2.ts	Method	TBLASTX:Soybean
Start	15547	End	16020
GI	none	Score	228
Exons	15547..15858, 15552..15809, 15889..16020		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o2.tc	Method	TBLASTX:Cress
Start	15559	End	16005
GI	none	Score	124
Exons	15559..15855, 15892..16005		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o4.ts	Method	TBLASTX:Soybean
Start	16418	End	16733
GI	5509260	Score	113
Exons	16418..16615, 16616..16732, 16617..16733		
GI Descrip.	-		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o6.tm	Method	TBLASTX:Maize
Start	16481	End	16763
GI	none	Score	145
Exons	16481..16615, 16492..16629, 16613..16759, 16614..16763		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o1.tm	Method	TBLASTX:Maize
Start	17740	End	19881
GI	none	Score	69
Exons	17740..17829, 17767..17832, 17768..17833, 17905..18006, 17910..17951, 18066..18149, 18083..18157, 18087..18236, 18143..18235, 18178..18237, 18238..18279, 18239..18280, 18355..18453, 18356..18439, 19411..19500, 19423..19500, 19425..19505, 19425..19502, 19587..19646, 19589..19645, 19590..19658, 19591..19662, 19591..19659, 19703..19876, 19726..19878, 19726..19881		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o1.tc	Method	TBLASTX:Cress
Start	18175	End	27252
GI	none	Score	129
Exons	18175..18279, 18177..18239, 18355..18453, 18356..18439, 19423..19500, 19423..19500, 19425..19502, 19587..19646, 19589..19648, 19589..19645, 19591..19647, 19712..19876, 19715..19795, 19726..19881, 19732..19878, 20606..20665, 20830..20958, 20855..20971, 21044..21151, 21054..21152, 21638..21706, 21654..21704, 22416..22535, 22418..22537, 22423..22536, 22618..22704, 22652..22705, 22965..23099, 22972..23100, 22973..23101, 22976..23110, 23216..23434, 23216..23449, 23343..23447, 23661..23795, 23663..23794, 24517..24576, 24526..24576, 24558..24584, 24681..24821, 24681..24857, 24682..24831, 24686..24844, 25488..25718,		

25563..25622, 25707..25856, 25770..25847, 25836..25922,
25869..25946, 26001..26039, 26022..26147, 26043..26141,
26073..26183, 26091..26165, 26139..26336, 26154..26285,
26205..26354, 26208..26291, 26214..26348, 26283..26354,
26295..26381, 26297..26437, 26424..26489, 26424..26543,
26429..26530, 26453..26518, 26484..26615, 26811..26879,
26823..26906, 26904..27170, 26925..27185, 26926..27186,
27228..27248, 27229..27252

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o1.ts	Method	TBLASTX:Soybean
Start	18355	End	20963
GI	none	Score	83
Exons	18355..18453, 18356..18439, 19423..19500, 19423..19500, 19424..19501, 19425..19502, 19589..19645, 19590..19646, 19590..19646, 19591..19656, 19715..19795, 19726..19878, 19728..19880, 19731..19877, 19732..19878, 20606..20665, 20830..20958, 20832..20963, 20855..20959		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o3.ts	Method	TBLASTX:Soybean
Start	22636	End	23369
GI	none	Score	67
Exons	22636..22704, 22652..22705, 22965..23102, 22972..23145, 22973..23110, 23216..23368, 23217..23369		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o5.ts	Method	TBLASTX:Soybean
Start	23369	End	24800
GI	none	Score	173
Exons	23369..23455, 23654..23794, 23656..23796, 23658..23795, 23662..23796, 24525..24578, 24526..24585, 24681..24800, 24682..24795		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o7.tm	Method	TBLASTX:Maize
Start	23688	End	24795
GI	none	Score	170
Exons	23688..23795, 23693..23794, 24525..24578, 24525..24578, 24527..24589, 24681..24794, 24681..24794, 24682..24795		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o6.ts	Method	TBLASTX:Soybean
Start	25488	End	25730
GI	none	Score	51
Exons	25488..25619, 25509..25637, 25617..25730, 25645..25704		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o2.tm	Method	TBLASTX:Maize
Start	25523	End	26252
GI	none	Score	152
Exons	25523..25708, 25524..25808, 25530..25808, 25842..25907, 25881..25916, 26031..26138, 26091..26141, 26133..26252		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o3.tm	Method	TBLASTX:Maize
Start	26995	End	27192
GI	none	Score	291
Exons	26995..27192, 26997..27191		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o4.tm	Method	TBLASTX:Maize
Start	37377	End	37715
GI	none	Score	63
Exons	37377..37469, 37384..37467, 37470..37715, 37498..37686		

Seq. No.	11513	Seq. ID	OJ990820_02.9A21.C9
Gene No.	24391	Strand	-
Start	37428	End	39929
Name	OJ990820_02.9A21.C9.o3.np	Method	AAT/NAP
Start	37428	End	39929
GI	2313511	Score	123
Exons	37428..37542, 37570..37672, 37700..38136, 39894..39929		
GI Descrip.	(AE000556) nifS-like protein [Helicobacter pylori 26695]		

Seq. No.	11514	Seq. ID	OJ990820_02.9A21.C10
Gene No.	24392	Strand	+
Start	460	End	558
Name	OJ990820_02.9A21.C10.o1.gs	Method	GENSCAN
Start	460	End	558
GI	none	Score	.87
Exons	460..558		

Seq. No.	11514	Seq. ID	OJ990820_02.9A21.C10
Gene No.	24393	Strand	-
Start	1234	End	6985
Name	OJ990820_02.9A21.C10.o2.gs	Method	GENSCAN
Start	1234	End	6985
GI	none	Score	.4
Exons	1234..1403, 3733..3822, 6568..6636, 6865..6985		

Seq. No.	11514	Seq. ID	OJ990820_02.9A21.C10
Gene No.	24393	Strand	-
Start	1234	End	6985
Name	OJ990820_02.9A21.C10.o1.gp	Method	AAT/GAP
Start	3493	End	5330
GI	none	Score	808
Exons	3493..3822, 5215..5330		

Seq. No.	11514	Seq. ID	OJ990820_02.9A21.C10
Gene No.	24394	Strand	-
Start	9764	End	13663
Name	OJ990820_02.9A21.C10.o3.gs	Method	GENSCAN
Start	9764	End	13578
GI	none	Score	.41
Exons	9764..9933, 11050..11152, 11236..11334, 11432..11504, 11650..11958, 12063..12235, 12314..13159, 13255..13578		

Seq. No.	11514	Seq. ID	OJ990820_02.9A21.C10
Gene No.	24394	Strand	-
Start	9764	End	13663
Name	OJ990820_02.9A21.C10.o1.tw	Method	TBLASTX:Wheat
Start	12947	End	13663
GI	none	Score	71
Exons	12947..13165, 13249..13323, 13564..13662, 13610..13663		

Seq. No.	11515	Seq. ID	OJ990430_30.9B24.C1
Gene No.	24395	Strand	+
Start	192	End	303
Name	OJ990430_30.9B24.C1.o1.np	Method	AAT/NAP
Start	192	End	303
GI	5922620	Score	113
Exons	192..303		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11516	Seq. ID	OJ990430_30.9B24.C2
Gene No.	24396	Strand	+
Start	488	End	740
Name	OJ990430_30.9B24.C2.o1.gs	Method	GENSCAN
Start	488	End	547
GI	none	Score	.94
Exons	488..547		

Seq. No.	11516	Seq. ID	OJ990430_30.9B24.C2
Gene No.	24396	Strand	+
Start	488	End	740
Name	OJ990430_30.9B24.C2.o1.np	Method	AAT/NAP
Start	488	End	740
GI	2498930	Score	84
Exons	488..547, 715..740		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24397	Strand	+
Start	1368	End	15088
Name	OJ990430_30.9B24.C4.o1.gs	Method	GENSCAN
Start	1368	End	14653
GI	none	Score	.73
Exons	1368..1444, 3327..3435, 3500..3808, 9273..9478, 11294..11755, 12039..12067, 13206..13313, 13804..13963, 14027..14653		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24397	Strand	+
Start	1368	End	15088
Name	OJ990430_30.9B24.C4.o1.gp	Method	AAT/GAP
Start	2736	End	4924
GI	23174_1.R1084	Score	1544
Exons	2736..2866, 3327..3435, 3539..3808, 4619..4924		
GI Descrip.	'3249086 3.0e-63 (AC004473) Contains similarity to 21 KD subunit of the Arp2/3 protein complex (ARC21) gb_AF006086 from Homo sapiens. EST gb_Z37222 comes [Arabidopsis thaliana]'		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24397	Strand	+
Start	1368	End	15088
Name	OJ990430_30.9B24.C4.o1.np	Method	AAT/NAP
Start	3289	End	4758
GI	3249086	Score	697
Exons	3289..3435, 3539..3808, 4573..4758		
GI Descrip.	(AC004473) Contains similarity to 21 KD subunit of the Arp2/3 protein complex (ARC21) gb|AF006086 from Homo sapiens. EST gb|Z37222 comes [Arabidopsis thaliana]		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24397	Strand	+
Start	1368	End	15088
Name	OJ990430_30.9B24.C4.o2.gp	Method	AAT/GAP
Start	13422	End	13807
GI	uC-osflcyp003g09b1	Score	696
Exons	13422..13807		
GI Descrip.	'100726/pir||S22377 8.0e-15 aspartate transaminase (EC 2.6.1.1) AAT1 precursor - proso millet >gi_20597_emb_CAA45022_ (X63428) aspartate aminotransferase [Panicum miliaceum]'		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24397	Strand	+
Start	1368	End	15088
Name	OJ990430_30.9B24.C4.o2.np	Method	AAT/NAP
Start	14313	End	15088
GI	6630699	Score	97
Exons	14313..14536, 15000..15088		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24398	Strand	+
Start	18708	End	19153
Name	OJ990430_30.9B24.C4.o4.np	Method	AAT/NAP
Start	18708	End	19153
GI	6539570	Score	113
Exons	18708..18911, 19087..19153		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24399	Strand	-
Start	14956	End	18574

Name	OJ990430_30.9B24.C4.o1.ts	Method	TBLASTX:Soybean
Start	3294	End	3773
GI	none	Score	171
Exons	3294..3434, 3326..3439, 3537..3773, 3538..3735, 3647..3763		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24399	Strand	-
Start	14956	End	18574
Name	OJ990430_30.9B24.C4.o1.tm	Method	TBLASTX:Maize
Start	3314	End	4688
GI	none	Score	162
Exons	3314..3430, 3315..3431, 3325..3441, 3327..3464, 3537..3806, 3538..3735, 3538..3807, 3549..3809, 4608..4688, 4612..4686		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24399	Strand	-
Start	14956	End	18574
Name	OJ990430_30.9B24.C4.o1.tc	Method	TBLASTX:Cress
Start	3326	End	3657
GI	none	Score	166
Exons	3326..3430, 3327..3434, 3537..3653, 3538..3657		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24399	Strand	-
Start	14956	End	18574
Name	OJ990430_30.9B24.C4.o2.tc	Method	TBLASTX:Cress
Start	4608	End	4761
GI	none	Score	232
Exons	4608..4757, 4612..4761		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24399	Strand	-
Start	14956	End	18574
Name	OJ990430_30.9B24.C4.o2.gs	Method	GENSCAN
Start	14956	End	18574
GI	none	Score	.54
Exons	14956..15082, 16007..16121, 16367..16496, 16528..16696, 16970..17092, 18183..18207, 18246..18438, 18491..18574		

Seq. No.	11517	Seq. ID	OJ990430_30.9B24.C4
Gene No.	24399	Strand	-
Start	14956	End	18574
Name	OJ990430_30.9B24.C4.o3.np	Method	AAT/NAP
Start	15228	End	18442
GI	5922620	Score	593
Exons	15228..15358, 16727..17092, 17432..17465, 18183..18207, 18253..18363, 18404..18442		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24400	Strand	+
Start	7383	End	7697
Name	OJ990430_30.9B24.C5.o1.gp	Method	AAT/GAP

Start	7383	End	7697
GI	72524_1.R1084	Score	401
Exons	7383..7697		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24401	Strand	+
Start	8431	End	24031
Name	OJ990430_30.9B24.C5.o1.np	Method	AAT/NAP
Start	8431	End	12108
GI	5091513	Score	1942
Exons	8431..9459, 10114..10931, 11006..11053, 11096..11213, 11962..12108		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24401	Strand	+
Start	8431	End	24031
Name	OJ990430_30.9B24.C5.o2.gs	Method	GENSCAN
Start	10152	End	11956
GI	none	Score	.52
Exons	10152..10787, 10912..11050, 11075..11375, 11395..11506, 11630..11956		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24401	Strand	+
Start	8431	End	24031
Name	OJ990430_30.9B24.C5.o2.np	Method	AAT/NAP
Start	11075	End	24031
GI	6630685	Score	122
Exons	11075..11195, 22207..22299, 23894..24031		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24401	Strand	+
Start	8431	End	24031
Name	OJ990430_30.9B24.C5.o3.gp	Method	AAT/GAP
Start	16228	End	16917
GI	799_1.R1084	Score	559
Exons	16228..16260, 16355..16462, 16551..16593, 16693..16917		
GI Descrip.	'1172816/sp|P42795|R111_ARATH 1.0e-84 60S RIBOSOMAL PROTEIN L11A (L16A) >gi_624938_emb_CAA57395_ (X81799) ribosomal protein L16 [Arabidopsis thaliana]'		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24401	Strand	+
Start	8431	End	24031
Name	OJ990430_30.9B24.C5.o4.gs	Method	GENSCAN
Start	16258	End	16892
GI	none	Score	.93
Exons	16258..16338, 16355..16462, 16551..16593, 16693..16892		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24402	Strand	-
Start	13408	End	14516

Name	OJ990430_30.9B24.C5.o3.gs	Method	GENSCAN
Start	13408	End	14516
GI	none	Score	.72
Exons	13408..13517, 13901..14055, 14326..14516		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24402	Strand	-
Start	13408	End	14516
Name	OJ990430_30.9B24.C5.o2.gp	Method	AAT/GAP
Start	13568	End	13882
GI	72524_1.R1084	Score	406
Exons	13568..13882		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24403	Strand	-
Start	18639	End	24589
Name	OJ990430_30.9B24.C5.o1.ts	Method	TBLASTX:Soybean
Start	16321	End	16898
GI	none	Score	169
Exons	16321..16458, 16355..16465, 16548..16598, 16550..16597, 16691..16897, 16695..16898		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24403	Strand	-
Start	18639	End	24589
Name	OJ990430_30.9B24.C5.o1.tm	Method	TBLASTX:Maize
Start	16346	End	16898
GI	none	Score	125
Exons	16346..16465, 16375..16455, 16548..16598, 16550..16597, 16691..16771, 16695..16898, 16838..16897		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24403	Strand	-
Start	18639	End	24589
Name	OJ990430_30.9B24.C5.o1.tw	Method	TBLASTX:Wheat
Start	16352	End	16898
GI	none	Score	163
Exons	16352..16465, 16360..16458, 16548..16598, 16550..16597, 16683..16892, 16691..16897, 16695..16898		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24403	Strand	-
Start	18639	End	24589
Name	OJ990430_30.9B24.C5.o1.tc	Method	TBLASTX:Cress
Start	16354	End	16898
GI	none	Score	166
Exons	16354..16458, 16355..16465, 16533..16595, 16548..16598, 16682..16897, 16695..16898		

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24403	Strand	-
Start	18639	End	24589
Name	OJ990430_30.9B24.C5.o2.tm	Method	TBLASTX:Maize
Start	18546	End	18935
GI	none	Score	232

Exons 18546..18842, 18546..18785, 18653..18826, 18873..18935

Seq. No.	11518	Seq. ID	OJ990430_30.9B24.C5
Gene No.	24403	Strand	-
Start	18639	End	24589
Name	OJ990430_30.9B24.C5.o5.gs	Method	GENSCAN
Start	18639	End	24589
GI	none	Score	.61

Exons 18639..19220, 19323..19436, 20070..20173, 20650..20806, 21411..21502, 21850..21904, 22681..22823, 24526..24589

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24404	Strand	+
Start	2622	End	10091
Name	OJ990430_30.9B24.C8.o1.gp	Method	AAT/GAP
Start	2622	End	3103
GI	5005008	Score	608

Exons 2622..2915, 3035..3103

GI Descrip. 1173327/sp|P43333|RU2A_ARATH 9.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A' (U2 SNRNP-A') >gi_322619_pir__S30580 U2 snRNP protein A' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A' [Arabidopsis thaliana]

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24404	Strand	+
Start	2622	End	10091
Name	OJ990430_30.9B24.C8.o1.gs	Method	GENSCAN
Start	2834	End	10091
GI	none	Score	.95

Exons 2834..2915, 3035..3075, 4595..4724, 4814..5019, 5773..5946, 6210..6260, 6354..6518, 9528..9672, 9739..9906, 10036..10091

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24404	Strand	+
Start	2622	End	10091
Name	OJ990430_30.9B24.C8.o1.np	Method	AAT/NAP
Start	2834	End	6431
GI	1173327	Score	748

Exons 2834..2915, 3035..3075, 4595..4724, 4814..5019, 5773..5946, 6210..6260, 6354..6431

GI Descrip. U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A' (U2 SNRNP-A') gi|322619|pir||S30580 U2 snRNP protein A' - Arabidopsis thaliana gi|17669|emb|CAA48890| (X69137) U2 small nuclear ribonucleoprotein A' [Arabidopsis thaliana]

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24404	Strand	+
Start	2622	End	10091
Name	OJ990430_30.9B24.C8.o3.gp	Method	AAT/GAP
Start	4631	End	5034
GI	LIB3433-013-Q6-K1-D12	Score	475

Exons 4631..4724, 4814..5034

GI Descrip. '1173327/sp|P43333|RU2A_ARATH 9.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 SNRNP-A'') >gi_322619_pir__S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis

thaliana]'

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24404	Strand	+
Start	2622	End	10091
Name	OJ990430_30.9B24.C8.o2.gp	Method	AAT/GAP
Start	4640	End	5034
GI	LIB3433-013-Q6-K1-D12	Score	457
Exons	4640..4724, 4814..5034		
GI Descrip.	'1173327/sp|P43333|RU2A_ARATH 9.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 SNRNP-A'') >gi_322619_pir__S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis thaliana]'		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24404	Strand	+
Start	2622	End	10091
Name	OJ990430_30.9B24.C8.o4.gp	Method	AAT/GAP
Start	4968	End	6845
GI	1257_1.R1084	Score	1225
Exons	4968..5019, 5773..5946, 6210..6260, 6354..6518, 6614..6845		
GI Descrip.	'1173327/sp|P43333|RU2A_ARATH 3.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 SNRNP-A'') >gi_322619_pir__S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis thaliana]'		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o3.tc	Method	TBLASTX:Cress
Start	2822	End	6431
GI	none	Score	149
Exons	2822..2917, 2833..2916, 3012..3077, 3028..3075, 4579..4680, 4595..4723, 4818..5042, 4873..5013, 5860..5955, 5877..5951, 6192..6260, 6354..6431		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o3.ts	Method	TBLASTX:Soybean
Start	2830	End	4914
GI	none	Score	137
Exons	2830..2916, 2834..2917, 3012..3077, 3028..3075, 4579..4674, 4595..4723, 4818..4853, 4863..4913, 4873..4914		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o6.tm	Method	TBLASTX:Maize
Start	2894	End	4723
GI	none	Score	35
Exons	2894..2917, 3028..3075, 4593..4721, 4595..4723		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-

Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o4.tm	Method	TBLASTX:Maize
Start	4851	End	6519
GI	none	Score	253
Exons	4851..5033, 4870..5019, 5772..5861, 5832..5858, 5868..5954, 5869..5946, 5871..5972, 6192..6263, 6207..6263, 6344..6406, 6352..6462, 6352..6489, 6353..6466, 6357..6506, 6469..6519		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o1.tm	Method	TBLASTX:Maize
Start	11040	End	13561
GI	none	Score	170
Exons	11040..11288, 11118..11285, 11390..11479, 11392..11478, 11418..11480, 11595..11720, 11599..11715, 11604..11648, 11609..11716, 11771..11863, 11778..11957, 11787..11924, 11788..11925, 12016..12150, 12026..12157, 12029..12151, 12221..12325, 12222..12320, 12401..12565, 12402..12563, 12404..12565, 12837..12899, 12848..12898, 12959..13126, 12961..13125, 12977..13132, 12996..13127, 13006..13128, 13445..13561, 13447..13560		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o2.gs	Method	GENSCAN
Start	11139	End	18318
GI	none	Score	.45
Exons	11139..11285, 11398..11478, 11595..11708, 11793..11916, 12035..12150, 12224..12319, 12404..12562, 12848..12897, 13000..13125, 13449..13560, 13717..13965, 14385..14435, 14573..14734, 14830..15045, 15739..16010, 16165..16334, 16566..17862, 18048..18182, 18261..18318		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o2.tc	Method	TBLASTX:Cress
Start	11139	End	11640
GI	none	Score	73
Exons	11139..11285, 11161..11286, 11390..11479, 11392..11478, 11595..11639, 11596..11640		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o4.ts	Method	TBLASTX:Soybean
Start	11139	End	11424
GI	none	Score	72
Exons	11139..11285, 11196..11288, 11198..11311, 11392..11424		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o2.np	Method	AAT/NAP
Start	11142	End	16013

GI	4539400	Score	1613
Exons	11142..11478, 11595..11708, 11793..11916, 12035..12150, 12224..12319, 12404..12562, 12848..12897, 13000..13125, 13449..13560, 13831..13965, 14385..14435, 14573..14734, 14830..14928, 15817..16013		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o2.ts	Method	TBLASTX:Soybean
Start	11632	End	12886
GI	none	Score	84
Exons	11632..11709, 11632..11709, 11634..11711, 11793..11843, 11835..11879, 11836..11880, 11860..11958, 11862..11957, 12016..12165, 12028..12168, 12029..12181, 12221..12325, 12401..12565, 12402..12563, 12407..12574, 12848..12886		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o5.gp	Method	AAT/GAP
Start	13502	End	14726
GI	LIB3474-001-P1-K1-G12	Score	746
Exons	13502..13560, 13717..13740, 13831..13965, 14385..14435, 14573..14726		
GI Descrip.	'4539400/emb|CAB37466.1| 2.0e-35 (AL035526) putative protein [Arabidopsis thaliana]'		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o3.tm	Method	TBLASTX:Maize
Start	13714	End	15048
GI	none	Score	54
Exons	13714..13749, 13718..13762, 13831..13965, 13832..13963, 13832..13969, 14380..14436, 14382..14447, 14390..14446, 14393..14452, 14567..14734, 14571..14750, 14573..14740, 14820..14951, 14827..14952, 14827..14922, 14831..14950, 14960..15046, 14962..15036, 15014..15046, 15019..15048		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o3.np	Method	AAT/NAP
Start	15724	End	18399
GI	2864613	Score	789
Exons	15724..15877, 16652..17556, 18378..18399		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi|4049333|emb|CAA22558.1| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o2.tm	Method	TBLASTX:Maize
Start	16625	End	17156

GI	none	Score	72
Exons	16625..16768, 16643..16753, 16665..16763, 16787..17155, 16852..16977, 16887..17156		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o1.tc	Method	TBLASTX:Cress
Start	16649	End	17500
GI	none	Score	36
Exons	16649..16756, 16874..16945, 16887..16946, 16952..17194, 16953..17195, 17201..17398, 17232..17396, 17411..17500, 17418..17450		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o1.ts	Method	TBLASTX:Soybean
Start	16787	End	17455
GI	none	Score	48
Exons	16787..16945, 16887..16943, 16955..17365, 16959..17312, 17405..17455, 17412..17450		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o1.tw	Method	TBLASTX:Wheat
Start	16943	End	17348
GI	none	Score	88
Exons	16943..16993, 16997..17347, 17028..17195, 17226..17348		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o5.tm	Method	TBLASTX:Maize
Start	17216	End	17512
GI	none	Score	101
Exons	17216..17410, 17217..17360, 17411..17512		

Seq. No.	11519	Seq. ID	OJ990430_30.9B24.C8
Gene No.	24405	Strand	-
Start	11139	End	18399
Name	OJ990430_30.9B24.C8.o4.np	Method	AAT/NAP
Start	17339	End	17824
GI	688421	Score	117
Exons	17339..17390, 17670..17824		
GI Descrip.	(D26458) tumor-related protein [Nicotiana glauca X Nicotiana langsdorffii]		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24406	Strand	+
Start	115	End	3419
Name	OJ990430_30.9B24.C9.o1.gs	Method	GENSCAN
Start	115	End	3419
GI	none	Score	.68
Exons	115..271, 820..958, 1227..1338, 2328..2381, 3092..3189, 3357..3419		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24407	Strand	+
Start	3635	End	4025
Name	OJ990430_30.9B24.C9.o1.gp	Method	AAT/GAP
Start	3635	End	4025
GI	uC-osf1M202084a07a1	Score	782
Exons	3635..4025		
GI Descrip.	'2558938 1.0e-25 (AF024625) arm repeat containing protein [Brassica napus]'		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o2.gs	Method	GENSCAN
Start	3994	End	6180
GI	none	Score	.99
Exons	3994..6180		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o3.tm	Method	TBLASTX:Maize
Start	4054	End	4278
GI	none	Score	106
Exons	4054..4155, 4055..4144, 4139..4255, 4141..4278, 4145..4276		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o1.np	Method	AAT/NAP
Start	4120	End	6153
GI	2558938	Score	981
Exons	4120..6153		
GI Descrip.	(AF024625) arm repeat containing protein [Brassica napus]		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o1.ts	Method	TBLASTX:Soybean
Start	4144	End	4903
GI	none	Score	281
Exons	4144..4671, 4154..4603, 4303..4614, 4675..4902, 4681..4866, 4709..4903		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o2.gp	Method	AAT/GAP
Start	4171	End	4628
GI	3768302	Score	884
Exons	4171..4628		
GI Descrip.	2558938 1.0e-25 (AF024625) arm repeat containing protein [Brassica napus]		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-

Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o1.tm	Method	TBLASTX:Maize
Start	4279	End	4918
GI	none	Score	738
Exons	4279..4476, 4301..4918, 4303..4917, 4316..4918		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o2.tw	Method	TBLASTX:Wheat
Start	4462	End	4918
GI	none	Score	126
Exons	4462..4626, 4690..4917, 4733..4918		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o1.tc	Method	TBLASTX:Cress
Start	4471	End	5112
GI	none	Score	64
Exons	4471..4569, 4472..4576, 4508..4570, 4618..4767, 4646..4768, 4651..4758, 4819..5058, 4850..5008, 5062..5112		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o4.tm	Method	TBLASTX:Maize
Start	5020	End	5295
GI	none	Score	149
Exons	5020..5295, 5078..5290		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o1.tw	Method	TBLASTX:Wheat
Start	5047	End	5310
GI	none	Score	166
Exons	5047..5310, 5051..5290		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o2.ts	Method	TBLASTX:Soybean
Start	5074	End	5442
GI	none	Score	184
Exons	5074..5307, 5078..5311, 5092..5442		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o2.tc	Method	TBLASTX:Cress
Start	5113	End	5529
GI	none	Score	148
Exons	5113..5307, 5117..5308, 5446..5529		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-

Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o2.np	Method	AAT/NAP
Start	5188	End	6684
GI	5917666	Score	176
Exons	5188..5320, 5395..6032, 6301..6684		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	11520	Seq. ID	OJ990430_30.9B24.C9
Gene No.	24408	Strand	-
Start	3994	End	6684
Name	OJ990430_30.9B24.C9.o2.tm	Method	TBLASTX:Maize
Start	5329	End	5685
GI	none	Score	238
Exons	5329..5685, 5332..5685		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24409	Strand	+
Start	1122	End	3210
Name	OJ990430_30.9B24.C10.o1.gs	Method	GENSCAN
Start	1122	End	3210
GI	none	Score	.63
Exons	1122..1258, 1569..1671, 1733..1843, 3178..3210		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24410	Strand	+
Start	3938	End	9688
Name	OJ990430_30.9B24.C10.o2.gs	Method	GENSCAN
Start	3938	End	9688
GI	none	Score	.93
Exons	3938..3950, 9552..9688		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24411	Strand	+
Start	20599	End	23559
Name	OJ990430_30.9B24.C10.o4.gs	Method	GENSCAN
Start	20599	End	23327
GI	none	Score	.44
Exons	20599..20928, 22771..22859, 23177..23327		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24411	Strand	+
Start	20599	End	23559
Name	OJ990430_30.9B24.C10.o2.np	Method	AAT/NAP
Start	23115	End	23559
GI	4959635	Score	201
Exons	23115..23559		
GI Descrip.	(AF084445) calmodulin mutant SYNCAM17 [synthetic construct]		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24412	Strand	+
Start	25673	End	26032
Name	OJ990430_30.9B24.C10.o5.gs	Method	GENSCAN
Start	25673	End	26032
GI	none	Score	.45
Exons	25673..26032		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10

Gene No.	24413	Strand	+
Start	26388	End	29958
Name	OJ990430_30.9B24.C10.o3.np	Method	AAT/NAP
Start	26388	End	28546
GI	4538896	Score	1582
Exons	26388..26819, 26928..27451, 27513..28546		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24413	Strand	+
Start	26388	End	29958
Name	OJ990430_30.9B24.C10.o6.gs	Method	GENSCAN
Start	26817	End	29958
GI	none	Score	.61
Exons	26817..26824, 26865..27409, 27921..28412, 29007..29228, 29279..29958		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24414	Strand	+
Start	30526	End	32418
Name	OJ990430_30.9B24.C10.o7.gs	Method	GENSCAN
Start	30526	End	32418
GI	none	Score	.67
Exons	30526..30548, 30680..31181, 32197..32418		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24415	Strand	-
Start	11686	End	17114
Name	OJ990430_30.9B24.C10.o1.np	Method	AAT/NAP
Start	11575	End	17114
GI	3176691	Score	405
Exons	11575..11639, 13225..13440, 13691..13792, 14870..15110, 15422..15592, 16070..16252, 17027..17114		
GI Descrip.	(AC003671) Contains homology to serine/threonine protein kinase gb|X99618 from Mycobacterium tuberculosis. ESTs gb|F14403, gb|F14404, and gb|N96730 come from this gene. [Arabidopsis thaliana]		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24415	Strand	-
Start	11686	End	17114
Name	OJ990430_30.9B24.C10.o3.gs	Method	GENSCAN
Start	11686	End	17111
GI	none	Score	.81
Exons	11686..11854, 12807..13447, 13707..13792, 14901..15110, 15422..15592, 16070..16246, 16795..16899, 17027..17111		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24415	Strand	-
Start	11686	End	17114
Name	OJ990430_30.9B24.C10.o1.gp	Method	AAT/GAP
Start	14908	End	15536
GI	uC-osflcyp107d01b1	Score	584
Exons	14908..15110, 15422..15536		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24416	Strand	-
Start	33937	End	34430
Name	OJ990430_30.9B24.C10.o2.tm	Method	TBLASTX:Maize
Start	12793	End	13067
GI	none	Score	38
Exons	12793..12834, 12800..12841, 12845..12949, 12849..12941, 12850..12954, 12962..12985, 12980..13066, 12990..13067, 13000..13059, 13001..13066		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24416	Strand	-
Start	33937	End	34430
Name	OJ990430_30.9B24.C10.o2.ts	Method	TBLASTX:Soybean
Start	13723	End	15085
GI	none	Score	69
Exons	13723..13797, 13725..13796, 14902..15084, 14923..15084, 14933..15085		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24416	Strand	-
Start	33937	End	34430
Name	OJ990430_30.9B24.C10.o1.tw	Method	TBLASTX:Wheat
Start	14900	End	15112
GI	none	Score	134
Exons	14900..15112, 14923..15111, 15023..15112		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24416	Strand	-
Start	33937	End	34430
Name	OJ990430_30.9B24.C10.o3.tm	Method	TBLASTX:Maize
Start	14914	End	15591
GI	none	Score	121
Exons	14914..15114, 14923..15111, 14933..15124, 15417..15590, 15418..15591		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24416	Strand	-
Start	33937	End	34430
Name	OJ990430_30.9B24.C10.o1.ts	Method	TBLASTX:Soybean
Start	15417	End	15593
GI	none	Score	189
Exons	15417..15590, 15418..15591, 15489..15593		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24416	Strand	-
Start	33937	End	34430
Name	OJ990430_30.9B24.C10.o5.tm	Method	TBLASTX:Maize
Start	27121	End	27342
GI	none	Score	191
Exons	27121..27342, 27141..27308, 27142..27309		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24416	Strand	-
Start	33937	End	34430
Name	OJ990430_30.9B24.C10.o1.tm	Method	TBLASTX:Maize
Start	27343	End	27736

GI	none	Score	201
Exons	27343..27516, 27369..27515, 27530..27652, 27659..27736		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24416	Strand	-
Start	33937	End	34430
Name	OJ990430_30.9B24.C10.o4.tm	Method	TBLASTX:Maize
Start	28217	End	28645
GI	none	Score	167
Exons	28217..28450, 28360..28554, 28520..28645		

Seq. No.	11521	Seq. ID	OJ990430_30.9B24.C10
Gene No.	24416	Strand	-
Start	33937	End	34430
Name	OJ990430_30.9B24.C10.o2.gp	Method	AAT/GAP
Start	33937	End	34430
GI	576771	Score	801
Exons	33937..34191, 34218..34430		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24417	Strand	+
Start	4688	End	9473
Name	OJ990430_30.9B24.C12.o2.gs	Method	GENSCAN
Start	4688	End	9473
GI	none	Score	.58
Exons	4688..4697, 4749..5197, 6959..7136, 8923..9069, 9262..9473		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24417	Strand	+
Start	4688	End	9473
Name	OJ990430_30.9B24.C12.o1.gp	Method	AAT/GAP
Start	5197	End	5580
GI	3769093	Score	714
Exons	5197..5580		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24418	Strand	+
Start	9701	End	13588
Name	OJ990430_30.9B24.C12.o1.np	Method	AAT/NAP
Start	9701	End	13588
GI	6539553	Score	6375
Exons	9701..13588		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24419	Strand	-
Start	1322	End	3823
Name	OJ990430_30.9B24.C12.o1.gs	Method	GENSCAN
Start	1322	End	3823
GI	none	Score	.58
Exons	1322..1419, 1457..1592, 1714..1807, 1812..1958, 2267..2390, 2805..3036, 3059..3280, 3363..3412, 3501..3656, 3802..3823		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24420	Strand	
Start	4706	End	5273
Name	OJ990430_30.9B24.C12.o1.tm	Method	TBLASTX:Maize
Start	4706	End	5245
GI	none	Score	568
Exons	4706..5245, 4803..5054, 4804..5244		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24420	Strand	
Start	4706	End	5273
Name	OJ990430_30.9B24.C12.o3.ts	Method	TBLASTX:Soybean
Start	5027	End	5273
GI	none	Score	257
Exons	5027..5248, 5027..5128, 5029..5247, 5175..5273		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24421	Strand	
Start	9692	End	10143
Name	OJ990430_30.9B24.C12.o4.tw	Method	TBLASTX:Wheat
Start	9692	End	10081
GI	none	Score	344
Exons	9692..10081, 9694..10080		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24421	Strand	
Start	9692	End	10143
Name	OJ990430_30.9B24.C12.o3.tm	Method	TBLASTX:Maize
Start	9830	End	10143
GI	none	Score	358
Exons	9830..10141, 9848..10138, 9853..10143		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24422	Strand	
Start	10639	End	10961
Name	OJ990430_30.9B24.C12.o2.tm	Method	TBLASTX:Maize
Start	10639	End	10961
GI	none	Score	244
Exons	10639..10893, 10646..10960, 10672..10959, 10794..10961		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24423	Strand	
Start	10988	End	12184
Name	OJ990430_30.9B24.C12.o6.ts	Method	TBLASTX:Soybean
Start	10988	End	11374
GI	none	Score	88
Exons	10988..11143, 11126..11374		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24423	Strand	
Start	10988	End	12184
Name	OJ990430_30.9B24.C12.o5.tm	Method	TBLASTX:Maize
Start	11162	End	11596
GI	none	Score	293
Exons	11162..11596, 11377..11523		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24423	Strand	
Start	10988	End	12184
Name	OJ990430_30.9B24.C12.o5.tw	Method	TBLASTX:Wheat
Start	11237	End	11431
GI	none	Score	271
Exons	11237..11431, 11240..11431		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24423	Strand	
Start	10988	End	12184
Name	OJ990430_30.9B24.C12.o2.ts	Method	TBLASTX:Soybean
Start	11384	End	11782
GI	none	Score	185
Exons	11384..11608, 11392..11559, 11399..11593, 11609..11782, 11617..11655		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24423	Strand	
Start	10988	End	12184
Name	OJ990430_30.9B24.C12.o2.tc	Method	TBLASTX:Cress
Start	11417	End	11806
GI	none	Score	111
Exons	11417..11599, 11612..11806		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24423	Strand	
Start	10988	End	12184
Name	OJ990430_30.9B24.C12.o1.tw	Method	TBLASTX:Wheat
Start	11432	End	12184
GI	none	Score	600
Exons	11432..11881, 11439..11888, 11474..12169, 11508..12170, 11978..12184, 12016..12183		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24424	Strand	
Start	12107	End	12732
Name	OJ990430_30.9B24.C12.o1.ts	Method	TBLASTX:Soybean
Start	12107	End	12570
GI	5509260	Score	48
Exons	12107..12184, 12199..12570, 12201..12419, 12492..12551		
GI Descrip.	-		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24424	Strand	
Start	12107	End	12732
Name	OJ990430_30.9B24.C12.o1.tc	Method	TBLASTX:Cress
Start	12199	End	12459
GI	none	Score	281
Exons	12199..12459, 12201..12377		

Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24424	Strand	
Start	12107	End	12732
Name	OJ990430_30.9B24.C12.o4.tm	Method	TBLASTX:Maize
Start	12240	End	12705
GI	none	Score	336

Exons	12240..12422, 12241..12705, 12492..12602		
Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24424	Strand	
Start	12107	End	12732
Name	OJ990430_30.9B24.C12.o3.tw	Method	TBLASTX:Wheat
Start	12241	End	12732
GI	none	Score	305
Exons	12241..12585, 12258..12371, 12580..12732		
Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24425	Strand	
Start	12639	End	13452
Name	OJ990430_30.9B24.C12.o4.ts	Method	TBLASTX:Soybean
Start	12639	End	12970
GI	none	Score	98
Exons	12639..12713, 12640..12732, 12706..12825, 12719..12970		
Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24425	Strand	
Start	12639	End	13452
Name	OJ990430_30.9B24.C12.o6.tm	Method	TBLASTX:Maize
Start	12788	End	13120
GI	none	Score	287
Exons	12788..13120, 12788..13078, 12796..13119		
Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24425	Strand	
Start	12639	End	13452
Name	OJ990430_30.9B24.C12.o2.tw	Method	TBLASTX:Wheat
Start	12977	End	13452
GI	none	Score	93
Exons	12977..13051, 12977..13057, 13065..13169, 13066..13452, 13067..13414		
Seq. No.	11522	Seq. ID	OJ990430_30.9B24.C12
Gene No.	24425	Strand	
Start	12639	End	13452
Name	OJ990430_30.9B24.C12.o5.ts	Method	TBLASTX:Soybean
Start	12983	End	13324
GI	none	Score	87
Exons	12983..13096, 13009..13089, 13115..13324, 13120..13245, 13127..13303		
Seq. No.	11523	Seq. ID	OJ990430_30.9B24.C13
Gene No.	24426	Strand	+
Start	121	End	916
Name	OJ990430_30.9B24.C13.o1.gs	Method	GENSCAN
Start	121	End	916
GI	none	Score	.82
Exons	121..362, 869..916		
Seq. No.	11523	Seq. ID	OJ990430_30.9B24.C13
Gene No.	24427	Strand	-
Start	1275	End	2097
Name	OJ990430_30.9B24.C13.o2.gs	Method	GENSCAN
Start	1275	End	2097

GI	none	Score	.82
Exons	1275..1369, 1884..2097		

Seq. No.	11524	Seq. ID	OJ990430_30.9B24.C14
Gene No.	24428	Strand	+
Start	629	End	2484
Name	OJ990430_30.9B24.C14.o1.np	Method	AAT/NAP
Start	629	End	2484
GI	2832617	Score	298
Exons	629..912, 2456..2484		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	11524	Seq. ID	OJ990430_30.9B24.C14
Gene No.	24428	Strand	+
Start	629	End	2484
Name	OJ990430_30.9B24.C14.o1.tc	Method	TBLASTX:Cress
Start	650	End	844
GI	none	Score	243
Exons	650..844, 736..843		

Seq. No.	11524	Seq. ID	OJ990430_30.9B24.C14
Gene No.	24428	Strand	+
Start	629	End	2484
Name	OJ990430_30.9B24.C14.o1.tm	Method	TBLASTX:Maize
Start	650	End	844
GI	none	Score	232
Exons	650..844, 739..840		

Seq. No.	11524	Seq. ID	OJ990430_30.9B24.C14
Gene No.	24428	Strand	+
Start	629	End	2484
Name	OJ990430_30.9B24.C14.o1.ts	Method	TBLASTX:Soybean
Start	701	End	844
GI	none	Score	245
Exons	701..844, 736..843		

Seq. No.	11525	Seq. ID	OJ990430_30.9B24.C15
Gene No.	24429	Strand	+
Start	1	End	333
Name	OJ990430_30.9B24.C15.o1.np	Method	AAT/NAP
Start	1	End	333
GI	2832617	Score	189
Exons	1..333		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	11526	Seq. ID	OJ990620_36.9B04.C2
Gene No.	24430	Strand	-
Start	1	End	1468
Name	OJ990620_36.9B04.C2.o1.np	Method	AAT/NAP
Start	1	End	1468
GI	4539373	Score	304
Exons	1..31, 1056..1468		
GI Descrip.	(AL049525) putative retrotransposon polyprotein [Arabidopsis thaliana]		

Seq. No.	11526	Seq. ID	OJ990620_36.9B04.C2
Gene No.	24430	Strand	-

Start	1	End	1468
Name	OJ990620_36.9B04.C2.o1.gp	Method	AAT/GAP
Start	852	End	1165
GI	3758977	Score	538
Exons	852..1165		

Seq. No.	11526	Seq. ID	OJ990620_36.9B04.C2
Gene No.	24430	Strand	-
Start	1	End	1468
Name	OJ990620_36.9B04.C2.o1.tm	Method	TBLASTX:Maize
Start	1012	End	1464
GI	none	Score	139
Exons	1012..1239, 1261..1464		

Seq. No.	11526	Seq. ID	OJ990620_36.9B04.C2
Gene No.	24430	Strand	-
Start	1	End	1468
Name	OJ990620_36.9B04.C2.o1.ts	Method	TBLASTX:Soybean
Start	1063	End	1464
GI	none	Score	110
Exons	1063..1464, 1142..1462		

Seq. No.	11526	Seq. ID	OJ990620_36.9B04.C2
Gene No.	24430	Strand	-
Start	1	End	1468
Name	OJ990620_36.9B04.C2.o2.gp	Method	AAT/GAP
Start	1214	End	1413
GI	426372	Score	354
Exons	1214..1413		

Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o1.gp	Method	AAT/GAP
Start	1	End	175
GI	1621492	Score	342
Exons	1..175		
GI Descrip.	1621493/dbj|BAA12902| 4.0e-42 (D85876) reverse transcriptase [Oryza sativa]		

Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o1.np	Method	AAT/NAP
Start	1	End	2242
GI	4512618	Score	959
Exons	1..667, 770..1812, 1840..2242		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o2.np	Method	AAT/NAP
Start	1	End	2373
GI	4996367	Score	821

Exons	1..2373		
GI Descrip.	(AB021266) polyprotein [Arabidopsis thaliana]		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o1.ts	Method	TBLASTX:Soybean
Start	20	End	520
GI	5509260	Score	40
Exons	20..109, 47..112, 110..520, 111..191, 255..497		
GI Descrip.	-		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o2.tw	Method	TBLASTX:Wheat
Start	33	End	475
GI	none	Score	50
Exons	33..77, 44..109, 51..110, 110..193, 110..433, 255..380, 404..475		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o1.tc	Method	TBLASTX:Cress
Start	128	End	388
GI	none	Score	103
Exons	128..388, 216..383		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o2.tm	Method	TBLASTX:Maize
Start	167	End	482
GI	none	Score	58
Exons	167..481, 168..290, 306..482		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o1.tw	Method	TBLASTX:Wheat
Start	962	End	1180
GI	none	Score	172
Exons	962..1180, 969..1169		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o2.tc	Method	TBLASTX:Cress
Start	965	End	1336
GI	none	Score	63
Exons	965..1336, 975..1145		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o2.ts	Method	TBLASTX:Soybean
Start	965	End	1343

GI	none	Score	37
Exons	965..1336, 1026..1061, 1119..1343		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o1.tm	Method	TBLASTX:Maize
Start	975	End	1443
GI	none	Score	69
Exons	975..1187, 980..1330, 1336..1443		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o4.tm	Method	TBLASTX:Maize
Start	1651	End	1840
GI	none	Score	77
Exons	1651..1734, 1651..1824, 1661..1840, 1670..1825		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o3.tm	Method	TBLASTX:Maize
Start	1865	End	2109
GI	none	Score	192
Exons	1865..2107, 1869..2054, 1870..2109, 1897..2109		
Seq. No.	11527	Seq. ID	OJ990620_36.9B04.C3
Gene No.	24431	Strand	-
Start	1	End	2373
Name	OJ990620_36.9B04.C3.o3.tw	Method	TBLASTX:Wheat
Start	1897	End	2283
GI	none	Score	88
Exons	1897..2085, 1931..2080, 2089..2283, 2189..2236		
Seq. No.	11528	Seq. ID	OJ990620_36.9B04.C5
Gene No.	24432	Strand	+
Start	1196	End	3373
Name	OJ990620_36.9B04.C5.o1.gs	Method	GENSCAN
Start	1196	End	3373
GI	none	Score	.46
Exons	1196..1327, 1938..1956, 3303..3373		
Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24433	Strand	+
Start	511	End	1031
Name	OJ990620_36.9B04.C6.o1.gp	Method	AAT/GAP
Start	511	End	1031
GI	uC-osroM202029b02b1	Score	939
Exons	511..1031		
GI Descrip.	'1621493/dbj|BAA12902| 4.0e-42 (D85876) reverse transcriptase [Oryza sativa]'		
Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24434	Strand	+
Start	1074	End	11836
Name	OJ990620_36.9B04.C6.o1.np	Method	AAT/NAP

Start	1074	End	5826
GI	3402722	Score	1965
Exons	1074..1173, 1222..1610, 3134..3264, 3763..3804, 3890..3998, 4229..4307, 4409..4705, 4799..4911, 5124..5231, 5305..5367, 5450..5617, 5692..5826		
GI Descrip.	(AC004261) CPDK-related protein kinase [Arabidopsis thaliana] gi|5020366|gb|AAD38058.1|AF153351_1 (AF153351) CDPK-related kinase 1 [Arabidopsis thaliana]		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24434	Strand	+
Start	1074	End	11836
Name	OJ990620_36.9B04.C6.o2.gs	Method	GENSCAN
Start	3134	End	11817
GI	none	Score	.71
Exons	3134..3264, 3763..3804, 3890..3998, 4229..4307, 4409..4705, 4799..4911, 5124..5231, 5305..5367, 5450..5617, 5738..5859, 6591..6783, 7072..7161, 8094..8209, 8822..9193, 9586..9822, 9936..10038, 10329..10406, 10810..11039, 11607..11817		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24434	Strand	+
Start	1074	End	11836
Name	OJ990620_36.9B04.C6.o2.np	Method	AAT/NAP
Start	8871	End	11836
GI	3402703	Score	1002
Exons	8871..9193, 9378..9467, 9583..9822, 9936..10038, 10810..11039, 11607..11836		
GI Descrip.	(AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24435	Strand	+
Start	14574	End	15999
Name	OJ990620_36.9B04.C6.o4.np	Method	AAT/NAP
Start	14574	End	15999
GI	5852084	Score	86
Exons	14574..14603, 15916..15999		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24436	Strand	-
Start	665	End	2857
Name	OJ990620_36.9B04.C6.o1.gs	Method	GENSCAN
Start	665	End	2857
GI	none	Score	.41
Exons	665..950, 982..1655, 2186..2304, 2635..2857		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24437	Strand	-
Start	5798	End	6273
Name	OJ990620_36.9B04.C6.o2.gp	Method	AAT/GAP
Start	5798	End	6273
GI	uC-osroM202029b02a1	Score	909
Exons	5798..6273		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 7.0e-30 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o1.tc	Method	TBLASTX:Cress
Start	1074	End	5817
GI	none	Score	35
Exons	1074..1100, 1224..1259, 1332..1451, 1334..1450, 1445..1606, 1446..1613, 3131..3265, 3133..3228, 3219..3269, 3764..3805, 3882..3998, 3887..3997, 4226..4306, 4228..4320, 4228..4305, 4406..4660, 4407..4661, 4407..4706, 4408..4707, 4801..4911, 5118..5231, 5136..5183, 5304..5381, 5305..5361, 5458..5619, 5459..5617, 5667..5816, 5692..5817		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o2.tm	Method	TBLASTX:Maize
Start	1295	End	5832
GI	none	Score	125
Exons	1295..1411, 1295..1609, 1320..1613, 3131..3265, 3131..3208, 3132..3269, 3133..3267, 3764..3805, 3765..3800, 3882..3932, 3887..3931, 5115..5231, 5118..5231, 5291..5365, 5304..5366, 5304..5381, 5305..5370, 5420..5617, 5449..5628, 5450..5617, 5451..5645, 5452..5619, 5667..5828, 5671..5829, 5686..5832		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o2.ts	Method	TBLASTX:Soybean
Start	1332	End	1610
GI	none	Score	369
Exons	1332..1610, 1334..1588		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o4.ts	Method	TBLASTX:Soybean
Start	3131	End	4001
GI	none	Score	194
Exons	3131..3265, 3133..3267, 3133..3228, 3764..3805, 3839..4000, 3882..4001		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o1.tm	Method	TBLASTX:Maize
Start	3934	End	4902
GI	none	Score	110
Exons	3934..3990, 3935..3997, 3936..3998, 4226..4306, 4226..4315, 4228..4308, 4389..4706, 4406..4702, 4408..4707, 4408..4722, 4801..4902, 4801..4899, 4803..4901		

Seq. No.	11529	Seq. ID	OJ990620_36.9B04.C6
Gene No.	24438	Strand	-
Start	10761	End	15741
Name	OJ990620_36.9B04.C6.o1.ts	Method	TBLASTX:Soybean
Start	4250	End	5832